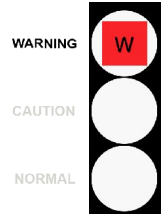


C Code : 28023
 U Name :
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 O Address : 75 Soi Rubia, Sukhumvit 42
 M Pakanong, Klongtoey, Bangkok 10110
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 Site :
 Location :
 Test code : C804

Unit ID : **MRU 713D Drain Point**
 Unit Type : Compressor Screw
 Unit Make : (not given)
 Unit Model : (not given)
 Oil type/
 I Viscosity : DB 18 OIL
 L
 Oil System Capacity :



Notes (Finding, Evaluation, Interpretation, Suggestion and Recommendation)

Note viscosity is severely lower than normal limits.
 Viscosity and/or other tests indicate that the oil tested is probably not the same grade of oil as indicated on the sample information form.
 Please clarify the important issue of proper oil viscosity prior to next sampling.

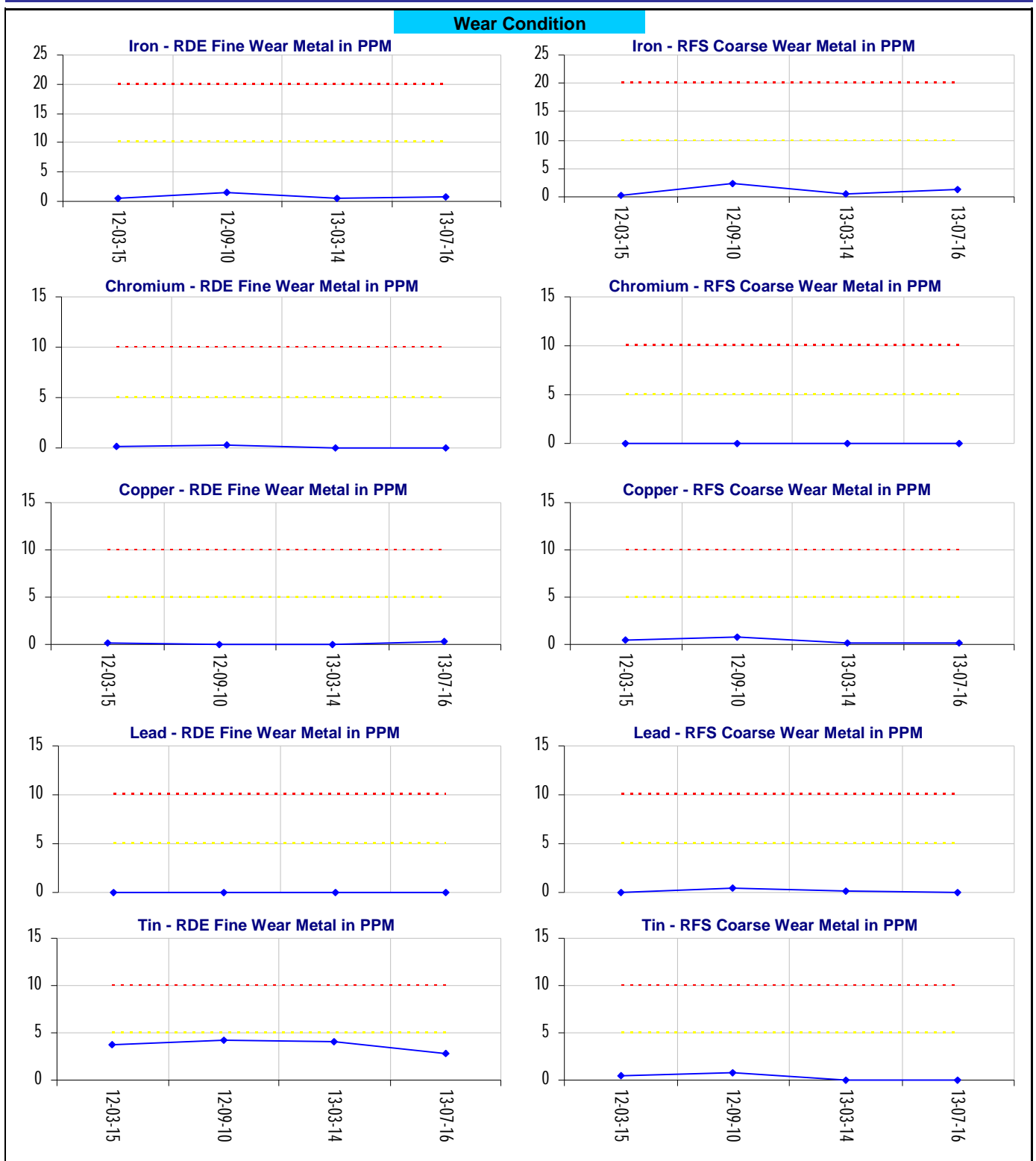
Wasan C.

			Current Sample			Previous Sample			Baseline and Alarm Limit							
Condition History			Wear	Oil	Cont.	Wear	Oil	Cont.	Wear	Oil	Cont.	Alarm Limit				
Lab ID Bottle ID Date Sampled Oil Hours (Kms) Unit Hours (Kms) Oil Added (Liters) Filters Hours (Kms)	Test Method	Result	N	W	N	N	N	N	N	N	N	B A S E L I N E	Alarm Limit			
			Alarm Limit Matrix -Set Name (Equipment type / oil type)													
			Comp Refrig General DB18 Oil (Siam Sythetic Latex)													
Wear Condition												The New Oil (TNO)	RDE fine		RFS coarse	
Wear Element	Method	Unit	RDE fine	RFS coarse	RDE fine	RFS coarse	RDE fine	RFS coarse	RDE fine	RFS coarse	RDE fine	RFS coarse	U-Caution	U-Warning	U-Caution	U-Warning
Iron	D-6595	PPM	0.7	1.4	0.6	0.4	1.4	2.3	0	>10	>20	>10	>20			
Chromium	D-6595	PPM	0.0	0.0	0.0	0.0	0.3	0.0	0	>5	>10	>5	>10			
Lead	D-6595	PPM	0.0	0.0	0.0	0.1	0.0	0.4	0	>5	>10	>5	>10			
Copper	D-6595	PPM	0.3	0.1	0.0	0.2	0.0	0.8	0	>5	>10	>5	>10			
Tin	D-6595	PPM	2.8	0.0	4.1	0.0	4.1	0.8	0	>5	>10	>5	>10			
Aluminum	D-6595	PPM	0.0	0.0	0.0	0.0	0.0	2.5	0	>5	>10	>5	>10			
Nickel	D-6595	PPM	0.0	0.1	0.0	0.0	0.0	0.7	0							
Silver	D-6595	PPM	0.0	0.0	0.0	0.0	0.0	0.0	0							
Molybdenum	D-6595	PPM	0.0	0.0	0.0	0.0	0.0	0.6	0	>10	>20	>10	>20			
Titanium	D-6595	PPM	0.0	1.7	0.3	0.0	0.5	0.1	0							
Oil Condition												TNO	L-Warning	L-Caution	U-Caution	U-Warning
Viscosity @ 40 °C	D-445	cSt	53.9	W	96.6		93.0	C	116.4	<87.3	<93.2	>122.2	>128			
Viscosity @ 100 °C	D-445	cSt														
Oxidation	FTIR	Abs	81.0		197.8		185.1		206.4							
Nitration	FTIR	Abs	2.3		2.8		4.0		3.1							
TAN	D-974	mg KOH/g.	0.02		0.01		0.02		0.06			>0.16	>0.26			
TBN	D-4739	mg KOH/g.														
Contamination												TNO			U-Caution	U-Warning
Water	T-H2O CheckTM	% (Wt.)	0.051		0.052		0.043		0.060			>0.1	>0.15			
Sodium	D-6595	PPM	0		0		0		0							
Silicon	D-6595	PPM	0.4	0.0	6.1	C	1.4	12.7	0	>5	>15	>5	>15			
Additive Element												TNO				
Boron	D-6595	PPM	1		0		0		0							
Magnesium	D-6595	PPM	0		0		0		0							
Calcium	D-6595	PPM	0		0		0		0							
Barium	D-6595	PPM	0		0		0		0							
Phosphorus	D-6595	PPM	0		0		0		0							
Zinc	D-6595	PPM	0	0	0	1	0	1	0							
Additional Test												TNO	L-Caution	L-Warning	U-Caution	U-Warning
Flash Point	D-3828	°C														
Viscosity Index	D-2270															

Note: Alarm Limits are variable and dependent upon dataset size and to be used as general guideline.
 No Sign or **N** : NORMAL , **C** or **▲** : CAUTION (first level warning limit) , **W** or **■** : Warning (second level warning limit)
 U-Caution : Upper CAUTION Level L-Caution : Lower CAUTION Level First Level Alarm_Alert Limit in Upper Level and/or Lower Level
 U-Warning : Upper WARNING Level L-Warning : Lower WARNING required Level Second Level Alarm_Alert Limit in Upper Level and/or Lower Level
 Baseline will be data of either "The new oil" or "Reference oil" or "Oil specification". TNO = The new oil , RO = Reference oil , OS = Oil Specification
 Accuracy of interpretation and recommendation are based on representatives sample and information supplied. No warranty is expressed or implied for this report.

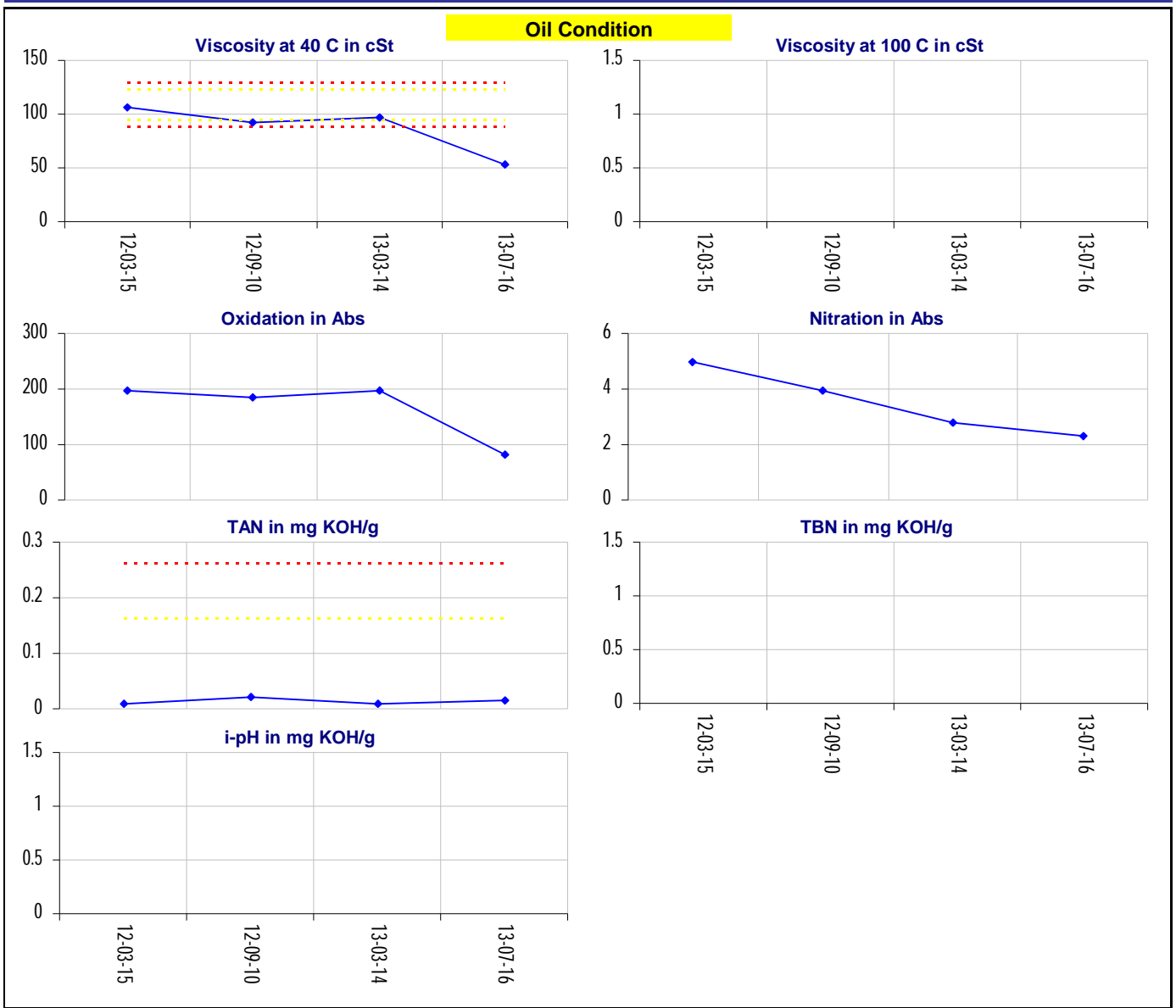
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