

C Code : 99999  
 U Name : Example Oil Analysis Report  
 T Address : 120/41  
 O Rajateva , Bangplee  
 M Samutprakan 10540 Thailand  
 E Site :  
 R Location :  
 Test code : HT819X2

Unit ID : Heat Transfer Oil  
 Unit Type : Heat Transfer Oil  
 Unit Make : (not given)  
 Unit Model : (not given)  
 Oil type / Viscosity : HEAT TRANSFER OIL  
 Oil System Capacity :



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

Low Flash point. Flash point decrease is potentially dangerous and can result in explosion and fire.  
 Note % Low Boiler is higher than normal limits.  
 Note viscosity is lower than normal limits.  
 Recommend top up oil by Bleed and Feed method that is drain some oil and top it off to dilution.

Wasan C.

			Current Sample			Previous Sample			Baseline and Alarm Limit							
Condition History			Wear	Oil	Cont.	Wear	Oil	Cont.	Wear	Oil	Cont.	B A S E L I N E	Alarm Limit			
Lab ID	Bottle ID	Date Sampled	Green	Red	Green	Green	Green	Green	Green	Green	Green		Alarm Limit Matrix -Set Name (Equipment type / oil type)			
Test Method	Result		20111127	500151	06-Nov-20	20090395	500148	01-Sep-20	20070406	none	01-Jul-20	Heat Transfer Oil General				
Unit Hours			Not Given			Not Given			Not Given							
Oil Change			Not Given			Not Given			Not Given							
Oil Added (Liters)																
Filters Hours																
<b>Corrosion &amp; Rust Metal Element - Condition</b>												Reference Oil (RO)	U-Caution	U-Warning		
Wear Element	Method	Unit														
Iron	D-5185	PPM	0.5			2.3			2.5			0	>100	>250		
Lead	D-5185	PPM	0.0			0.0			0.0			0	>30	>60		
Copper	D-5185	PPM	0.2			0.6			0.1			0	>40	>75		
Tin	D-5185	PPM	0.0			0.0			0.0			0	>10	>40		
Aluminum	D-5185	PPM	0.9			0.2			0.0			0	>20	>40		
<b>Fluid Condition</b>												RO	L-Warning	L-Caution	U-Caution	U-Warning
Viscosity @ 40°C	D-445	cSt	28.1	W		31.7	C		32.3	C		34.8	<31.3	<33.1	>36.5	>38.3
Viscosity @ 100°C	D-445	cSt														
Acid Number	D-974	mg KOH/g.	0.60			0.37			0.36			0.01			>1.01	>2.01
<b>Thermal Stability</b>												RO			U-Caution	U-Warning
Low Boilers (LB)	D6743	%	4.0	C		0.7			1.0						>4	5
High Boilers (HB)	D6743	%	5.0			4.7			7.8						>9	10
<b>Safety in Use</b>												RO	L-Warning	L-Caution		
Flash Point, open cup	D-92	°C	172	W		198	C		198	C		226	<196	<206		
Fire Point, open cup	D-92	°C	204	W		223			222			240	<210	<220		
Auto-ignition temperature	E659	°C	297	C		330						360	<280	<300		
<b>Contamination</b>												RO			U-Caution	U-Warning
Water	D-6304	% (Wt.)	0.033			0.015			0.017			0.010			>0.05	>0.1
Acetone, insoluble solids	D-4898M	mg/100ml	14.7			38.4			33.5			0			>80	>100
Silicon	D-5185	PPM	1.5			0.5			0.0			0			>10	>20
Sodium	D-5185	PPM	0			2			0			0				
<b>Additional Test</b>												RO	L-Warning	L-Caution	U-Caution	U-Warning

Note: Alarm Limits are variable and dependent upon dataset size and to be used as general guideline.

No Sign or **N** : NORMAL , **C** or **C** : CAUTION (first level warning limit) , **W** or **W** : Warning (second level warning limit)

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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Lab ID : 20111127 Date sampled : 06-Nov-20 Hours on Oil : Not Given Hours on Unit : Not Given Bottle ID : 500151

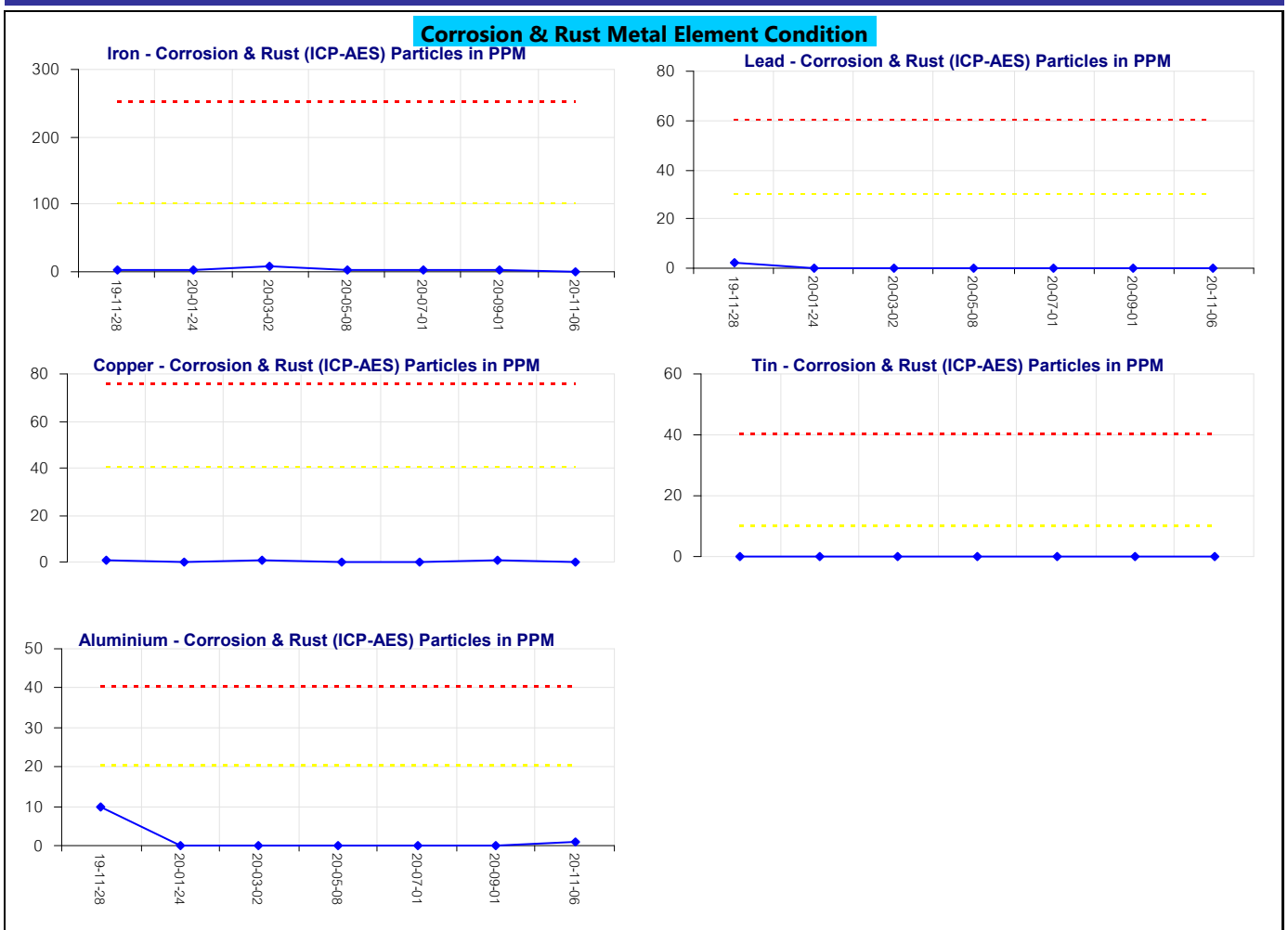
**ส่วนที่ 1 : หน้าหลัก**[Section 1 : Main Page](#)

ตรวจพบจุดวาบไฟต่ำ จุดวาบไฟที่ต่ำลง อาจจะมีผลกระทบต่อความปลอดภัย ในความสามารถจุดติดไฟได้ของน้ำมัน  
สังเกต ค่า % Low Boiler สูงกว่าเกณฑ์ระดับควบคุม  
สังเกตค่าความหนืดต่ำกว่าเกณฑ์ระดับปกติ  
แนะนำให้ถ่ายน้ำมันออกบางส่วนและเติมเพิ่มบางส่วนเพื่อเจือจางน้ำมัน

**ส่วนที่ 2 : หน้าของ Particle Count**[Section 2 : Particle Count](#)**ส่วนที่ 3 : หน้าของ Ferrographic Analysis**[Section 3 : Ferrographic Analysis](#)**ส่วนที่ 4 : หน้าของ Varnish and Sludge Potential**[Section 4 : Varnish and Sludge Potential](#)**ส่วนที่ 5 : หน้าของ Gravimetric Analysis**[Section 5 : Gravimetric Analysis](#)

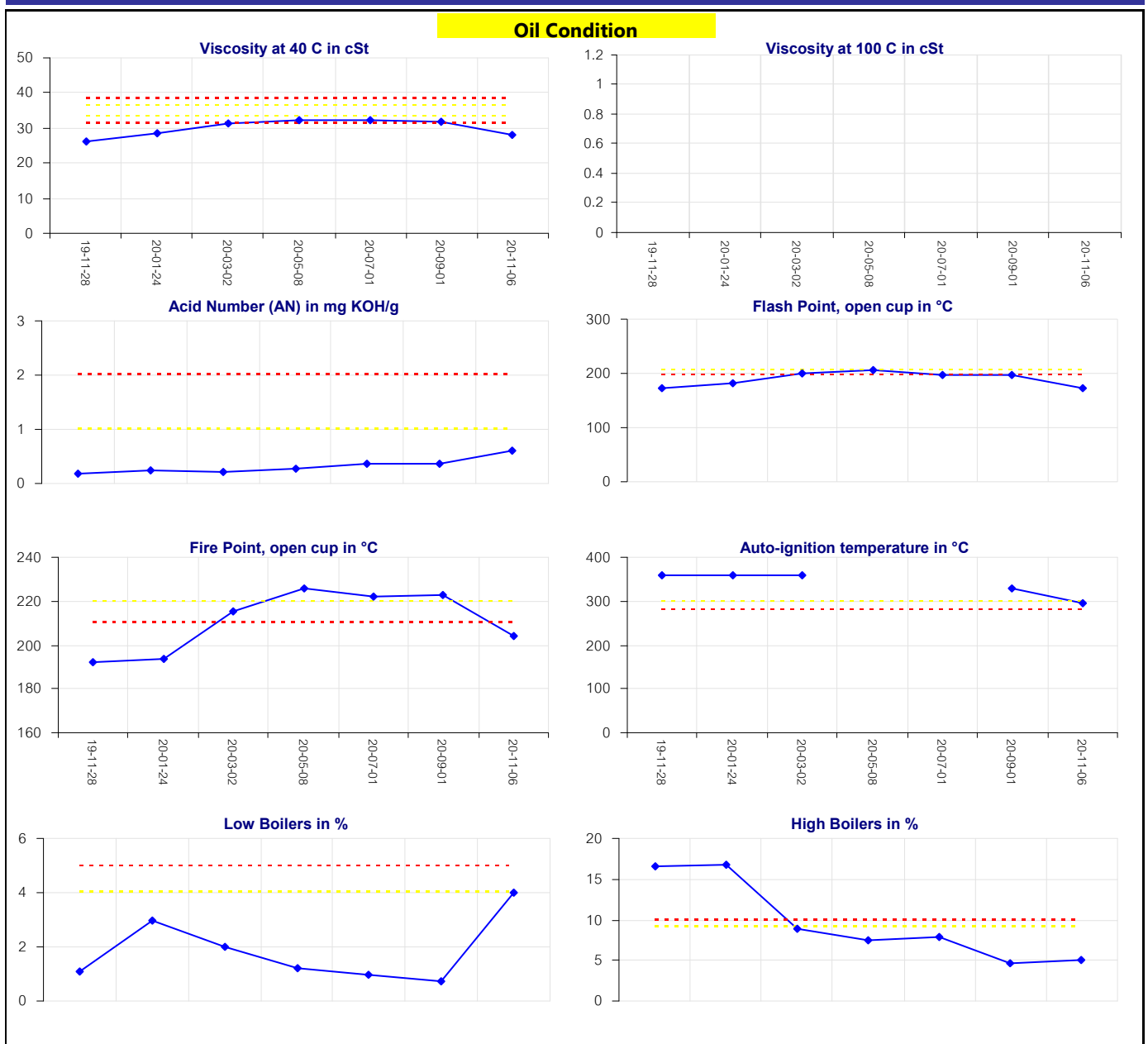
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