

[SYNLUBE (THAILAND)] KORAT FP4 THAILAND

Customer: PTRHTF60010
 SYNLUBE INTERNATIONAL CO LTD
 76/1 MOO.7 THACHIN
 MUANG SAMUTSAKHON, 74000 TH
 Attn: CHERNPORN CHOBKUI
 Tel: 034421290
 E-Mail: chernporn@synlube.co.th

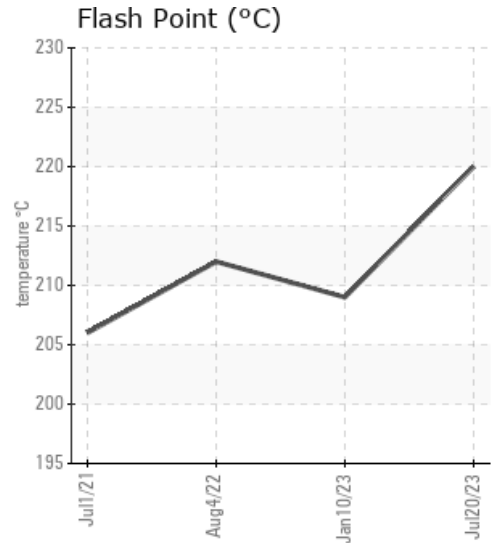
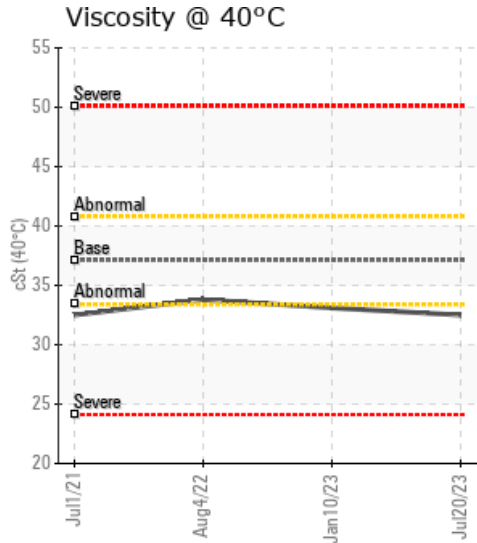
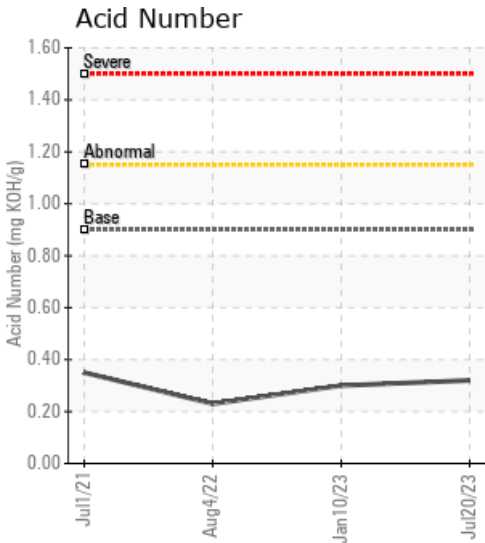
System Information
 System Volume: 20910 ltr
 Bulk Operating Temp: 554F / 290C
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID
 Make: GETABAC

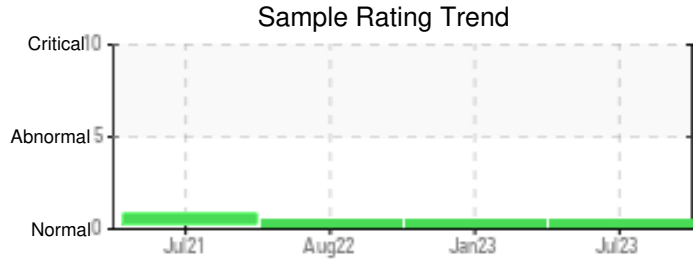
Sample Information
 Lab No: 02574690
 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I
 Sample Date: 07/20/23
 Received Date: 08/08/23
 Completed: 08/30/23
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: The fluid is suitable for further service. Resample at the next service interval to monitor.

Comments:

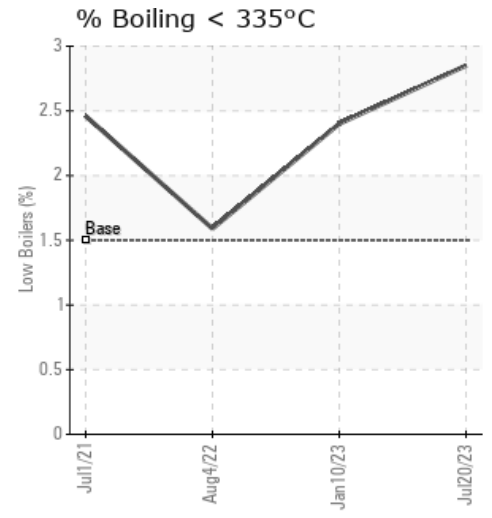
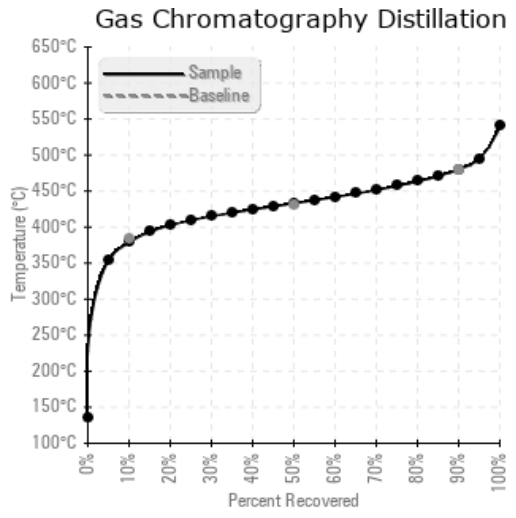
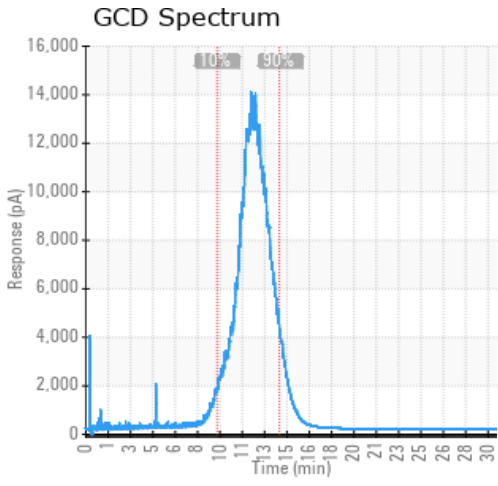
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/20/23	08/08/23	69.0m	Hot 1,2	428 / 220	28.2	32.5	0.32	0.062	714 / 379	811 / 433	896 / 480	2.85
01/10/23	02/27/23	63.0m		408 / 209	4.5	33.1	0.30	0.040	718 / 381	812 / 434	895 / 479	2.40
08/04/22	08/22/22	58.0m	HOT 1 2 SUPPLY RETRN	414 / 212	26.8	33.8	0.23	0.059	722 / 384	812 / 433	895 / 479	1.59
07/01/21	04/05/22	51.0m	hOT 1,2	403 / 206	110.7	32.5	0.35	0.065	717 / 381	812 / 433	897 / 481	2.46
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
07/20/23	103	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	22	4
01/10/23	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	2
08/04/22	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	2
07/01/21	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	19	2
Baseline Data			0	0						0			0	0				0	0				230	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments

01/10/23	Fluid parameters suitable for service. Resample at the next service interval to monitor.
08/04/22	Fluid parameters suitable for service. Resample at the next service interval to monitor.
07/01/21	Fluid parameters suitable for service. Resample at the next service interval to monitor. COC Flash Point is marginally low.

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