

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Newport] 1203-88007 LIEBHERR LH50M 1203-88007 - Diesel

Sample No: LH0272315

Oil Type: PETRO CANADA DURON UHP 5W30



RIVER METALS RECYCLING - NEWPORT
P.O. BOX 72-220
NEWPORT, KY
US 41072
Contact: RYAN BOWDEN

T:
F: (859)291-0086



Sample Information

Sample Number	LH0272315	DJJ0018095	DJJ0016428	DJJ0016414
Sample Date	08 Jul 2024	14 Jun 2024	05 Dec 2022	19 Jul 2022
Machine Hours	12072	12052	10444	9816
Oil Hours	20	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	ATTENTION	SEVERE	ABNORMAL	NORMAL



Oil Condition

Visc @ 100°C	cSt	12.28	14.1	13.9	13.9
Base Number (BN)	mg KOH/g	12.1	11.8	7.5	9.7
Oxidation (PA)	%	79	88	98	90



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.5	3	3.4	2.8
Nitration (PA)	%	67	144	130	127
Sulfation (PA)	%	60	76	77	76
Glycol	%	0.0	0.10	NEG	NEG
Fuel	%	0.4	<1.0	<1.0	<1.0
Silicon	ppm	9	15	8	6
Sodium	ppm	179	1184	17	6
Potassium	ppm	19	127	2	0



Wear Metals

Iron	ppm	16	40	46	33
Copper	ppm	2	4	9	3
Lead	ppm	2	4	4	<1
Tin	ppm	0	<1	1	<1
Aluminum	ppm	14	46	21	15
Chromium	ppm	<1	2	1	<1
Molybdenum	ppm	46	46	50	57
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	<1	0



Additives

Calcium	ppm	1421	1353	1381	1463
Magnesium	ppm	936	649	873	626
Zinc	ppm	946	836	961	949
Phosphorus	ppm	840	638	689	761
Barium	ppm	0	0	2	0
Boron	ppm	126	16	36	24

Diagnosis

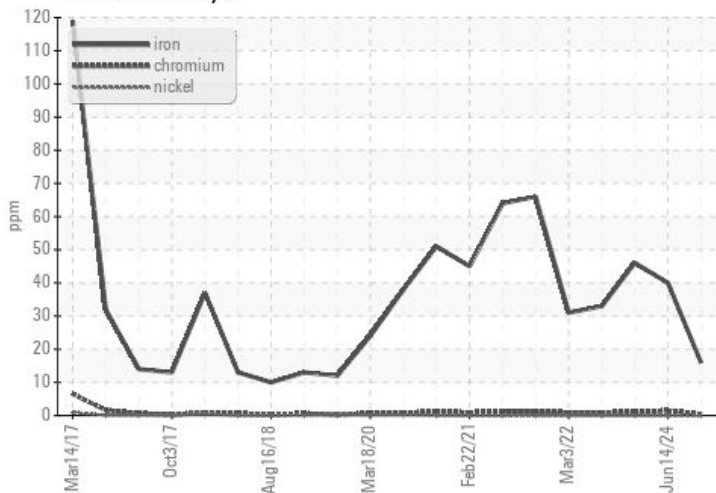
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. Sodium and/or potassium levels are high. Test for glycol is negative. Possible carry-over from previous contamination. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: RIVNEW
Unique No: 11115349
Signed: Doug Bogart
Report Date: 09 Jul 2024

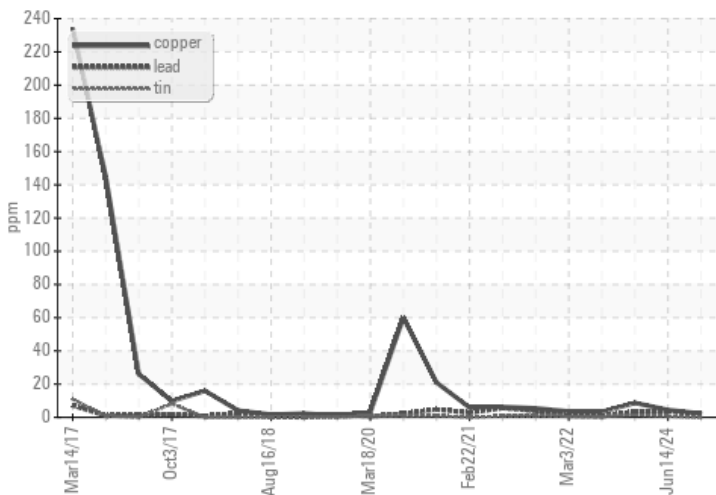


Graphs

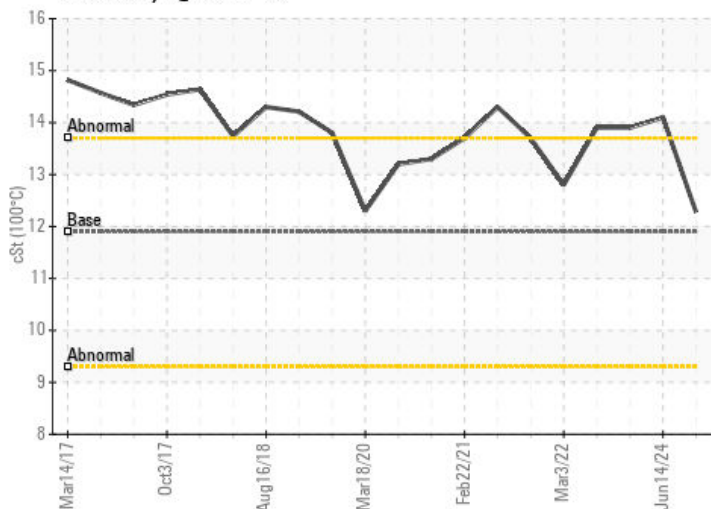
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

