

LIEBHERR

CONSTRUCTION EQUIPMENT



053548-1006 - Splitter Box

Sample No: LH0277053

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0277053	LH0250238	LH0180117	LH0234481
Sample Date	04 Oct 2023	31 Jan 2023	05 Jan 2022	01 Jan 2022
Machine Hours	10216	9632	8682	9457
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal
 PIER 10, 1 PROTECTION ST
 SAINT JOHN, NB
 CA E2M 5S8
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OIL CONDITION

Visc @ 40°C	cSt	81.9	87.3	97.5	89.9
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CONTAMINATION

Silicon	ppm	4	24	4	4
Sodium	ppm	2	2	1	2
Potassium	ppm	0	<1	1	<1



WEAR METALS

Iron	ppm	20	17	15	15
Copper	ppm	1	1	<1	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	34	27	22	28
Magnesium	ppm	11	10	11	11
Zinc	ppm	165	111	43	96
Phosphorus	ppm	1191	1194	1226	1260
Barium	ppm	1	<1	<1	<1
Boron	ppm	195	210	234	228

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: AME10STJ
Unique No: 5670794
Signed: Wes Davis
Report Date: 02 Nov 2023



GRAPHS

