

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C064062-1049 - Splitter Box

Sample No: LH0261035

Oil Type: PETRO CANADA TRAXON E SYNTHETIC 75W-90



SAMPLE INFORMATION

Sample Number	LH0261035	LH0203732	LH0168145	LH0151480
Sample Date	14 Jun 2023	06 Aug 2021	31 Jul 2020	22 Aug 2019
Machine Hours	13298	11114	10114	8655
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

MARCEL DUVAL FER ET METAUX INC.
 661 RANG STE-MARIE
 ST. SEBASTIEN, QC
 CA J0J 2C0
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	171	172	● 89.9	● 100
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T:
F:



CONTAMINATION

Silicon	ppm	● 2	● 2	● 5	● 3
Sodium	ppm	● <1	● 2	● <1	● 5
Potassium	ppm	● 0	● <1	● 1	● <1

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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 21	● 77	● 103	● 11
Copper	ppm	● <1	● <1	● 1	● <1
Lead	ppm	● 0	● <1	● 0	● 0
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● <1	● <1	● 1	● <1
Molybdenum	ppm	● 0	● 0	● <1	● <1
Nickel	ppm	● <1	<1	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	● 13	● 24	● 23	● 16
Magnesium	ppm	● <1	● 1	● 3	● <1
Zinc	ppm	● 19	● 41	● 46	● 24
Phosphorus	ppm	2320	2356	● 1296	● 1506
Barium	ppm	● 0	● 0	● 0	● <1
Boron	ppm	25	27	● 271	● 243

Depot: MARSTS
 Unique No: 5604409
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

