

LIEBHERR

CONSTRUCTION EQUIPMENT



042296-1491 - Right Final Drive

Sample No: LH0261398

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0261398	LH	LH	LH
Sample Date	26 Jun 2023	16 Jul 2021	18 Mar 2021	23 Nov 2018
Machine Hours	7046	0	0	1984
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	92.8	187	93.2	87.6
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CONTAMINATION

Silicon	ppm	96	6	141	10
Sodium	ppm	5	3	6	2
Potassium	ppm	8	1	10	1



WEAR METALS

PQ		82	---	116	---
Iron	ppm	949	55	1045	83
Copper	ppm	1	<1	1	0
Lead	ppm	2	<1	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	29	2	34	2
Chromium	ppm	10	1	13	<1
Molybdenum	ppm	<1	<1	1	<1
Nickel	ppm	5	<1	7	2
Titanium	ppm	5	3	9	2
Silver	ppm	<1	0	<1	0
Manganese	ppm	18	<1	15	<1
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	216	32	270	29
Magnesium	ppm	53	2	59	11
Zinc	ppm	17	17	16	21
Phosphorus	ppm	1374	2425	1163	1253
Barium	ppm	2	1	1	1
Boron	ppm	174	14	260	320

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: DEL782MON
 Unique No: 5604418
 Signed: Kevin Marson
 Report Date: 30 Jun 2023



GRAPHS

