

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A922 146822-1509 - Diesel Engine

Sample No: LH0290902

Oil Type: DIESEL ENGINE OIL SAE 40



PNR RAILWORKS INC.
65 MASSEY ROAD
GUELPH NW, ON
CA N1H 7M6
Contact: Service Manager



Information sur l'échantillon

Numéro d'échant.	LH0290902	LH0285063	LH0270433	---
Date d'échant.	07 Jul 2024	29 Jan 2024	14 Sep 2023	---
Heures de la Machine	2014	1252	610	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	N/A	---
Statut de l'échant.	NORMAL	NORMAL	NORMAL	---



État d'huile

Visc 100°C	cSt	13.1	13.1	12.2	---
Oxydation (PA)	%	60	66	168	---

T:
F:



Contamination

Eau	%	NEG	NEG	NEG	---
% de suie	%	0	0	0	---
Nitration (PA)	%	60	58	84	---
Sulfatation (PA)	%	52	55	98	---
Glycol	%	NEG	NEG	NEG	---
Essence	%	<1.0	<1.0	0.4	---
Silicium	ppm	8	13	47	---
Sodium	ppm	2	2	4	---
Potassium	ppm	0	<1	<1	---

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	20	22	26	---
Cuivre	ppm	2	4	23	---
Plomb	ppm	0	<1	1	---
Étain	ppm	0	0	<1	---
Aluminium	ppm	1	1	4	---
Chrome	ppm	<1	<1	<1	---
Molybdène	ppm	60	58	45	---
Nickel	ppm	0	<1	<1	---
Titane	ppm	0	0	<1	---
Argent	ppm	0	0	0	---
Manganèse	ppm	<1	<1	4	---
Vanadium	ppm	0	0	0	---



Additifs

Calcium	ppm	1087	1136	1788	---
Magnésium	ppm	974	941	770	---
Zinc	ppm	1211	1155	921	---
Phosphore	ppm	980	937	835	---
Baryum	ppm	<1	<1	7	---
Bore	ppm	5	8	81	---

Depot: PNRGUE
Unique No: 5811646
Signed: Wes Davis
Report Date: 08 Jul 2024



Graphs

