



CONSTRUCTION EQUIPMENT

X18662 NUCOR VOLVO L180H 5726 - DIESEL ENGINE



Sample No: VCP445347
Oil Type: PETROL 15W40
Job No: X18662 NUCOR



SCOTT EQUIPMENT COMPANY LLC - Jackson
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 JACKSON, MS
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SAMPLE INFORMATION

Sample Number	VCP445347	VCP445377	VCP429493	---
Sample Date	06 Jun 2024	07 Mar 2024	15 Jan 2024	---
Machine Hours	2006	1490	1135	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.5	12.63	---
Base Number (BN)	mg KOH/g	10.2	10.4	9.4	---
Oxidation (PA)	%	79	81	82	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	52	50	60	---
Sulfation (PA)	%	61	61	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	6	9	---
Sodium	ppm	2	1	0	---
Potassium	ppm	2	2	2	---



WEAR METALS

Iron	ppm	4	5	9	---
Copper	ppm	2	8	53	---
Lead	ppm	<1	<1	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	40	44	45	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1881	1682	1651	---
Magnesium	ppm	515	523	446	---
Zinc	ppm	1146	1118	1121	---
Phosphorus	ppm	982	986	956	---
Barium	ppm	0	0	<1	---
Boron	ppm	47	61	41	---

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8771
Unique No: 11074827
Signed: Sean Felton
Report Date: 14 Jun 2024



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GRAPHS

