



CONSTRUCTION EQUIPMENT

M0100015-13 KENWORTH 384616 - DIESEL ENGINE



Sample No: VCP418668
Oil Type: SCHAEFFER SUPREME 7000
Job No: M0100015-13



SAMPLE INFORMATION

Sample Number	VCP418668	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	4586	---	---	---
Oil Hours	581	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 5.4	---	---	---
Oxidation (PA)	%	86	---	---	---

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 suitable for further service.



CONTAMINATION

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	97	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 15	---	---	---



WEAR METALS

Iron	ppm	█ 21	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 66	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2141	---	---	---
Magnesium	ppm	█ 124	---	---	---
Zinc	ppm	█ 1239	---	---	---
Phosphorus	ppm	█ 1000	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 47	---	---	---

Depot: VOLV08770
Unique No: 10577364
Signed: Wes Davis
Report Date: 31 Jul 2023



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GRAPHS

