



CONSTRUCTION EQUIPMENT

9327 TOLSON VOLVO A30G 753127 - DIESEL ENGINE



Sample No: VCP404402
Oil Type: CHEVRON 15W40
Job No: 9327 TOLSON



SAMPLE INFORMATION

Sample Number	VCP404402	VCP407893	---	---
Sample Date	24 Jul 2023	01 Jun 2023	---	---
Machine Hours	519	272	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

PLEASANT EXCAVATING COMPANY INC
24024 FREDERICK ROAD
CLARKSBURG, MD
US 20871
Contact: H TRENT
HTRENT@PLEASANTS.ORG
T: (301)252-5635
F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	▲ 11.0	---	---
Base Number (BN)	mg KOH/g	█ 8.1	█ 6.8	---	---
Oxidation (PA)	%	60	59	---	---

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 %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	53	69	---	---
Sulfation (PA)	%	58	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.5	---	---
Silicon	ppm	█ 10	▲ 40	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 2	█ 5	---	---



WEAR METALS

Iron	ppm	█ 8	█ 17	---	---
Copper	ppm	█ 37	█ 44	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 1	█ 3	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 131	█ 81	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 1	█ 1	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 2033	█ 2282	---	---
Magnesium	ppm	█ 458	18	---	---
Zinc	ppm	█ 1661	█ 1273	---	---
Phosphorus	ppm	█ 1501	█ 1055	---	---
Barium	ppm	█ 3	█ 0	---	---
Boron	ppm	618	█ 63	---	---

Depot: PLECLA
Unique No: 10586152
Signed: Jonathan Hester
Report Date: 04 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

