



CONSTRUCTION EQUIPMENT

225089 JMK TACOMA VOLVO L90H 625422 - DIESEL ENGINE



Sample No: VCP426760
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 225089 JMK TACOMA



SAMPLE INFORMATION

Sample Number	VCP426760	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	11125	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.9	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	95	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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.



CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	69	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 30	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 67	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1350	---	---	---
Magnesium	ppm	█ 1024	---	---	---
Zinc	ppm	█ 1416	---	---	---
Phosphorus	ppm	█ 1164	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 8	---	---	---

Depot: VOLVO1271
Unique No: 10618336
Signed: Sean Felton
Report Date: 25 Aug 2023



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GRAPHS

