



CONSTRUCTION EQUIPMENT

168118 VOLVO 31185 - DIESEL ENGINE



Sample No: VCP222875
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 168118



SAMPLE INFORMATION

Sample Number	VCP222875	---	---	---
Sample Date	28 Sep 2018	---	---	---
Machine Hours	748	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 73.5	---	---	---
Visc @ 100°C	cSt	▲ 11.2	---	---	---
Viscosity Index (VI)	Scale	■ 143	---	---	---
Oxidation (PA)	%	72	---	---	---

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Aucune autre mesure corrective n'est recommandée pour l'instant. Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant. La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans le l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 10W30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	■ 0.8	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	213	---	---	---
Lead	ppm	■ 5	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 42	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1301	---	---	---
Magnesium	ppm	■ 693	---	---	---
Zinc	ppm	■ 988	---	---	---
Phosphorus	ppm	■ 790	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 19	---	---	---

Depot: VOLVO0228
Unique No: 4758906
Signed: Kevin Marson
Report Date: 10 Oct 2018



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GRAPHS

