



CONSTRUCTION EQUIPMENT

EXCAVATION L.JL 370057 VOLVO EC480E 315082 - DIESEL ENGINE



Sample No: VCP391956
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 370057



SAMPLE INFORMATION

Sample Number	VCP391956	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	480	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	10.4	---	---	---
Oxidation (PA)	%	68	---	---	---

CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1	---	---	---
Silicon	ppm	31	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	3	---	---	---

WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	266	---	---	---
Lead	ppm	8	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	85	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2180	---	---	---
Magnesium	ppm	88	---	---	---
Zinc	ppm	1175	---	---	---
Phosphorus	ppm	1058	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	24	---	---	---

Diagnosis

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. 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. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Depot: VOLVO0228
Unique No: 5605986
Signed: Kevin Marson
Report Date: 12 Jul 2023



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GRAPHS

