



CONSTRUCTION EQUIPMENT

VOLVO L90H 623005 - DIESEL ENGINE



Sample No: VCP195093
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP195093	---	---	---
Sample Date	29 Jun 2017	---	---	---
Machine Hours	1610	---	---	---
Oil Hours	1610	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ENERGY MATERIAL ALLIANCE LLC
 32945 FOLSOM RD
 FARMINGTON HILLS, MI
 US 48204
 Contact:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.62	---	---	---
Oxidation (PA)	%	█ 44	---	---	---

T:
F:



CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 50	---	---	---
Sulfation (PA)	%	█ 42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1139	---	---	---
Magnesium	ppm	█ 959	---	---	---
Zinc	ppm	█ 1129	---	---	---
Phosphorus	ppm	█ 988	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: ENEDET
Unique No: 7850030
Signed: Don Baldrige
Report Date: 10 Jul 2017



CONSTRUCTION EQUIPMENT



GRAPHS

