



CONSTRUCTION EQUIPMENT

SPM703638 ALPINE DEM VOLVO EC750E 314070 - DIESEL ENGINE



Sample No: VCP438292
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM703638 ALPINE DEM



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
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SAMPLE INFORMATION

Sample Number	VCP438292	VCP415204	---	---
Sample Date	30 Apr 2024	28 Sep 2023	---	---
Machine Hours	2591	1522	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.7	12.9	---	---
Base Number (BN)	mg KOH/g	7.8	10.7	---	---
Oxidation (PA)	%	59	78	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.8	1.2	---	---
Nitration (PA)	%	56	65	---	---
Sulfation (PA)	%	57	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.4	<1.0	---	---
Silicon	ppm	4	9	---	---
Sodium	ppm	1	3	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	13	28	---	---
Copper	ppm	2	11	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	49	45	---	---
Nickel	ppm	1	3	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	970	1730	---	---
Magnesium	ppm	817	545	---	---
Zinc	ppm	1186	1153	---	---
Phosphorus	ppm	998	944	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	47	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO8885
Unique No: 11084084
Signed: Sean Felton
Report Date: 19 Jun 2024



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GRAPHS

