Sample No: VCP412220

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 606491 ALTA RENTS

SAMPLE INFORMATION

Sample Number		VCP412220	VCP416939	---	---
Sample Date		08 Sep 2023	13 Jun 2023	---	---
Machine Hours		1133	552	---	---
Oil Hours		0	0	---	---
Oil Changed		Changed	Changed	---	---
Sample Status		NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	12.7	13.3	---	---
Base Number (BN)	mg KOH/g	9.4	5.9	---	---
Oxidation (PA)	%	78	54	---	---

CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	68	61	---	---
Sulfation (PA)	%	59	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	13	19	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	<1	---	---

WEAR METALS

Iron	ppm	15	20	---	---
Copper	ppm	2	7	---	---
Lead	ppm	0	0	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	<1	4	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	43	5	---	---
Nickel	ppm	1	5	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	2035	2445	---	---
Magnesium	ppm	530	105	---	---
Zinc	ppm	1235	1174	---	---
Phosphorus	ppm	990	952	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	16	<1	---	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
9601 BOGGY CREEK RD
ORLANDO, FL
US 32824
Contact: Robert LaPlante
robert.laplante@altg.com
T: (407)508-9736
F: (407)659-8720

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO0096
Unique No: 10645908
Signed: Wes Davis
Report Date: 15 Sep 2023

GRAPHS

Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

Copper (ppm)

Silicon (ppm)

Viscosity @ 100°C

Base Number