



CONSTRUCTION EQUIPMENT

W0228184 ITS ALJON 600 30135 - DIESEL ENGINE



Sample No: VCP365562
Oil Type: CHEVRON 15W40
Job No: W0228184 ITS



SAMPLE INFORMATION

Sample Number	VCP365562	VCP393228	VCP381213	---
Sample Date	17 May 2023	18 Jan 2023	09 Dec 2022	---
Machine Hours	1300	512	189	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	SEVERE	NORMAL	NORMAL	---

ROMCO INC

1350 NE LOOP 820
 FORT WORTH, TX
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OIL CONDITION

Visc @ 100°C	cSt	6.2	11.7	12.1	---
Base Number (BN)	mg KOH/g	6.8	8.1	10.6	---
Oxidation (PA)	%	51	60	58	---



CONTAMINATION

Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	53	63	53	---
Sulfation (PA)	%	52	52	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	31.2	<1.0	0.9	---
Silicon	ppm	6	26	20	---
Sodium	ppm	1	<1	2	---
Potassium	ppm	0	2	0	---



WEAR METALS

Iron	ppm	3	22	13	---
Copper	ppm	<1	18	5	---
Lead	ppm	<1	2	1	---
Tin	ppm	<1	4	3	---
Aluminum	ppm	<1	1	1	---
Chromium	ppm	0	2	1	---
Molybdenum	ppm	78	63	61	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	947	1277	1302	---
Magnesium	ppm	386	799	815	---
Zinc	ppm	532	1203	1183	---
Phosphorus	ppm	466	996	1018	---
Barium	ppm	0	1	0	---
Boron	ppm	204	4	10	---

Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a very high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0081
Unique No: 10482261
Signed: Don Baldrige
Report Date: 24 May 2023



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GRAPHS

