



CONSTRUCTION EQUIPMENT

717751 SYNERGY VOLVO L70H 623737 - HYDRAULIC SYSTEM



Sample No: VCP449599
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 717751 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP449599	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	4509	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	█ 45.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 58350	---	---	---
Particles >6µm		▲ 20536	---	---	---
Particles >14µm		▲ 1234	---	---	---
ISO 4406:1999 (c)		23/22/17	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 55	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 458	---	---	---
Phosphorus	ppm	█ 348	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0096
Unique No: 11070108
Signed: Wes Davis
Report Date: 10 Jun 2024

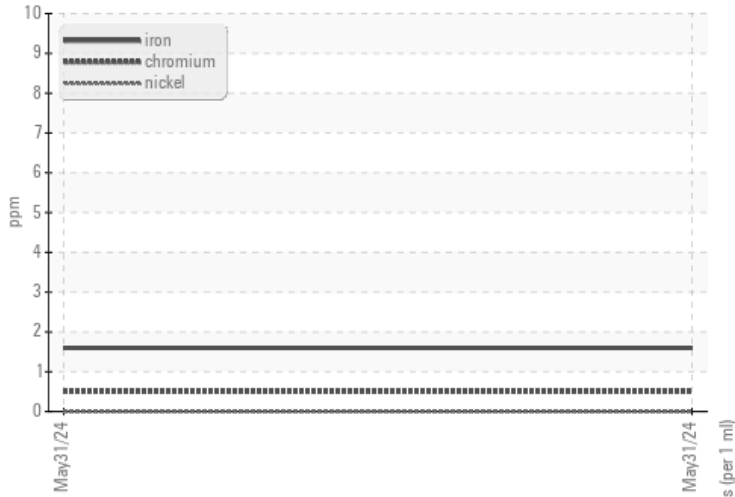


CONSTRUCTION EQUIPMENT



GRAPHS

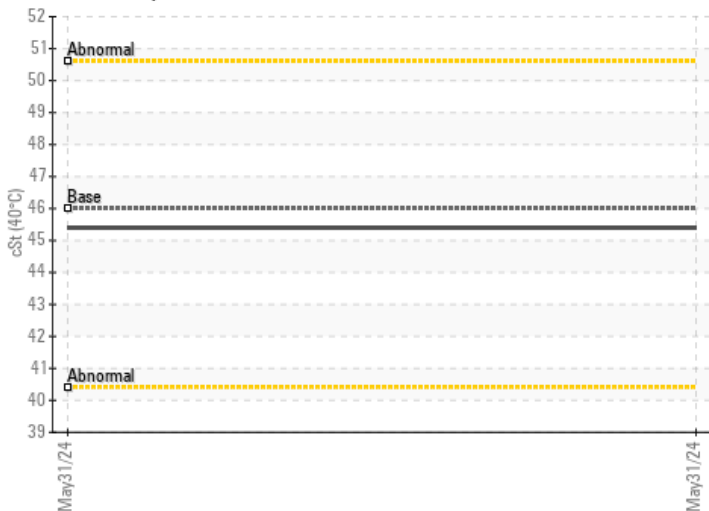
Ferrous Alloys



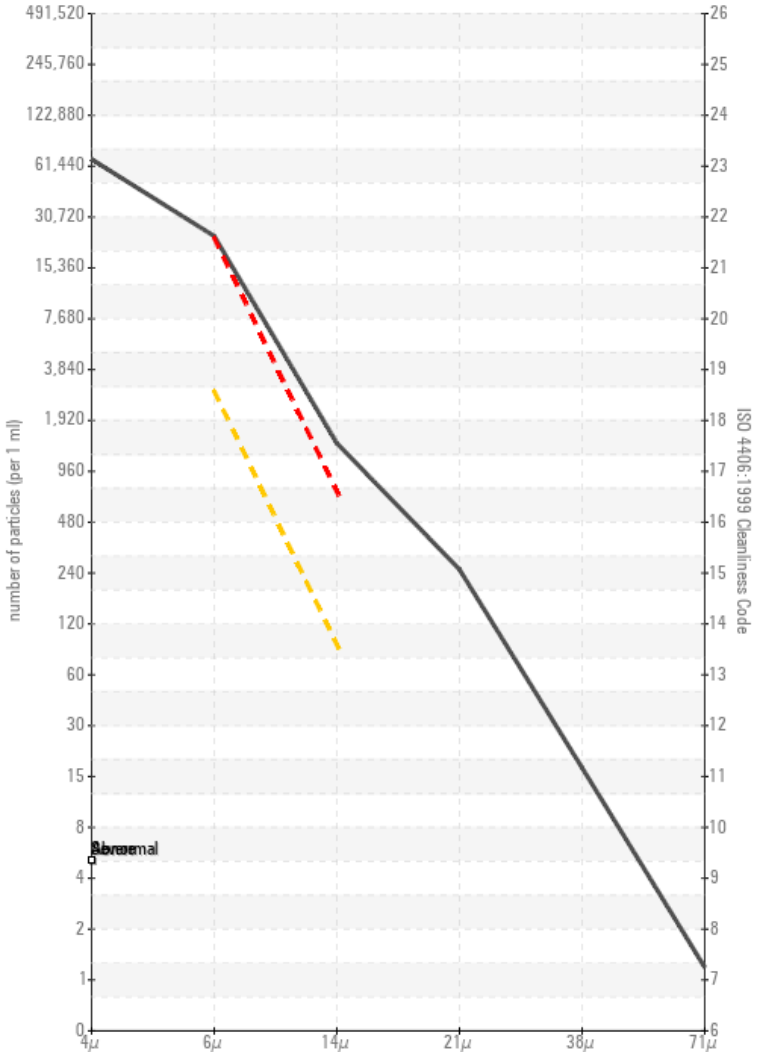
Non-ferrous Metals



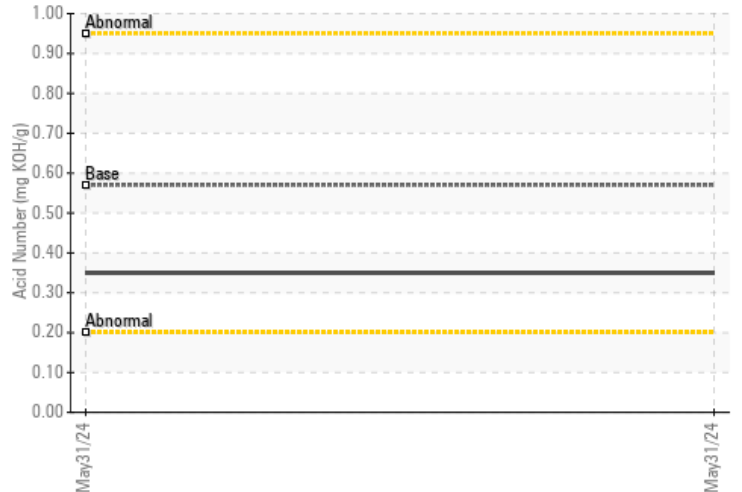
Viscosity @ 40°C



Particle Count



Acid Number





CONSTRUCTION EQUIPMENT

717751 SYNERGY VOLVO L70H 623737 - FRONT AXLE



Sample No: VCP454966
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: 717751 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP454966	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	4509	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	█ 40.5	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 0	---	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 63	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3849	---	---	---
Magnesium	ppm	█ 15	---	---	---
Zinc	ppm	█ 1522	---	---	---
Phosphorus	ppm	█ 1262	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 157	---	---	---

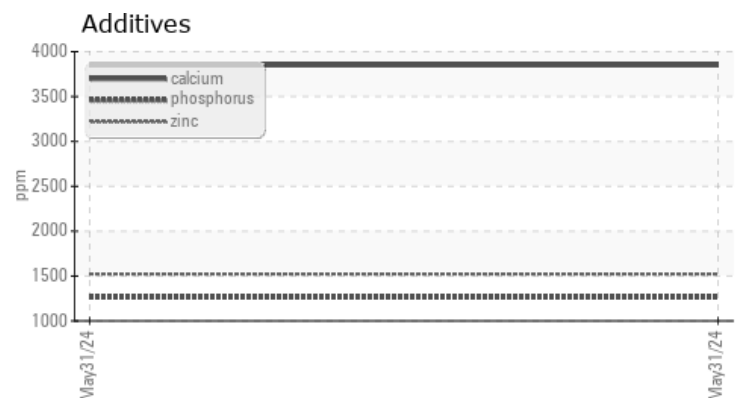
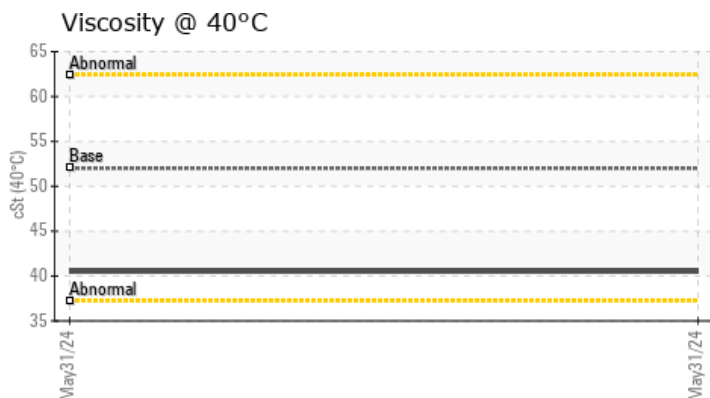
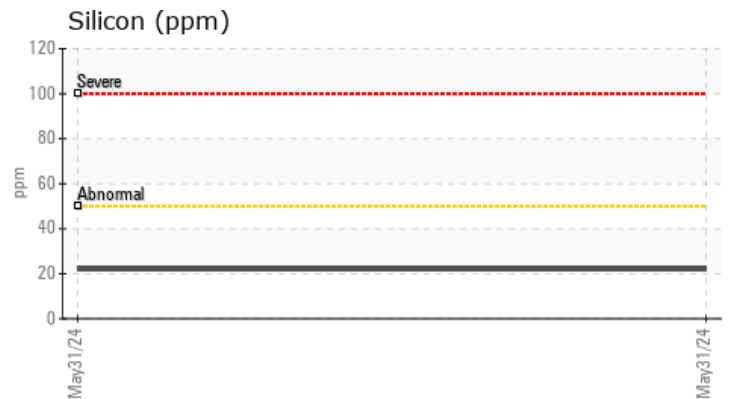
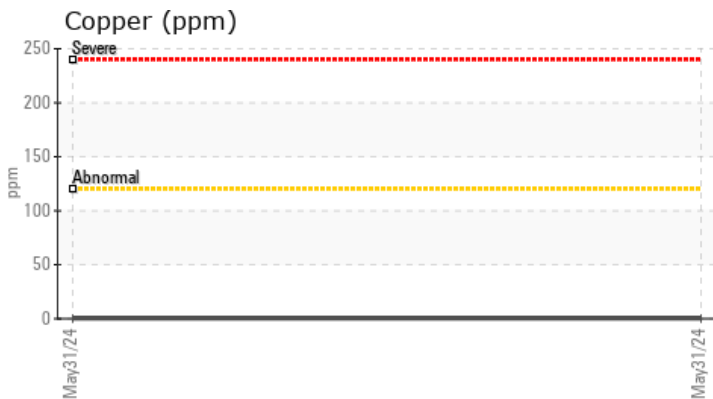
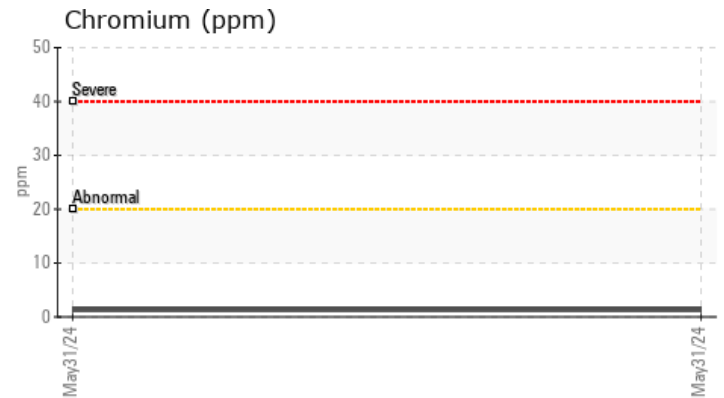
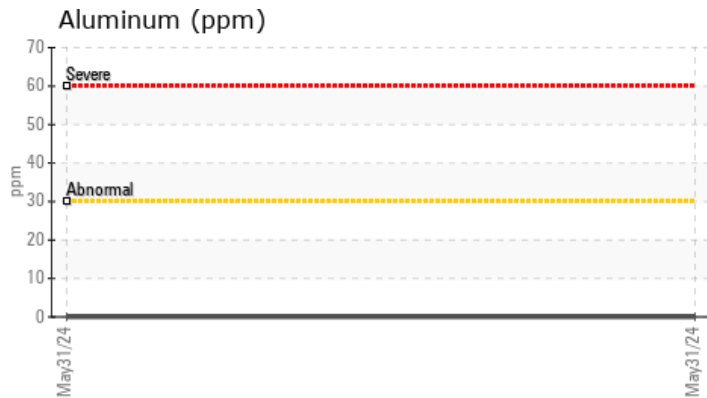
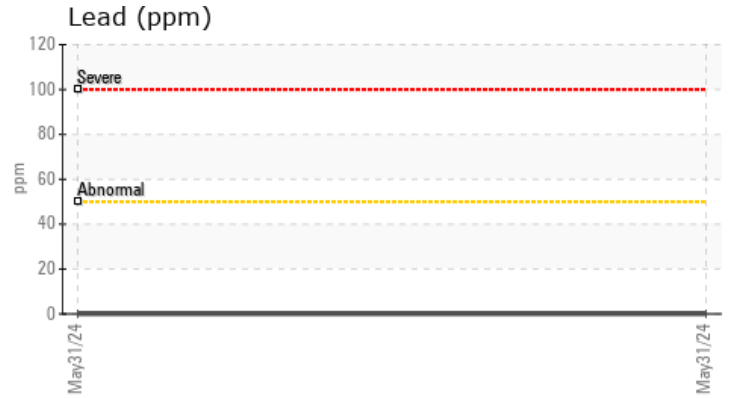
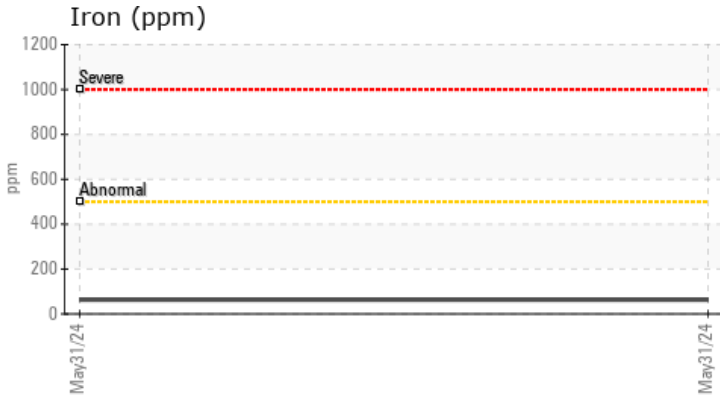
Depot: VOLVO0096
Unique No: 11070552
Signed: Wes Davis
Report Date: 10 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

717751 SYNERGY VOLVO L70H 623737 - REAR AXLE



Sample No: VCP449598
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: 717751 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP449598	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	4509	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	█ 40.8	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 0	---	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 80	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3838	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 1521	---	---	---
Phosphorus	ppm	█ 1249	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 154	---	---	---

Depot: VOLVO0096
Unique No: 11070553
Signed: Wes Davis
Report Date: 10 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

