



CONSTRUCTION EQUIPMENT

SWA541730 MOHAWK PETERSON G710B 32B-21-1435 - DIESEL ENGINE



Sample No: VCP454858
Oil Type: CAT DIESEL ENGINE OIL 15W40
Job No: SWA541730 MOHAWK



SAMPLE INFORMATION

Sample Number	VCP454858	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	10649	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
8418 PALM RIVER ROAD
TAMPA, FL
US 33619
Contact: JAMES DAWES
james.dawes@altg.com
T: (813)630-0077
F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	▲ 5.5	---	---	---
Base Number (BN)	mg KOH/g	■ 6.2	---	---	---
Oxidation (PA)	%	67	---	---	---

Diagnosis

We advise that you check the fuel injection system. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 38.5	---	---	---
Silicon	ppm	▲ 41	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 9	---	---	---



WEAR METALS

Iron	ppm	■ 9	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 49	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1601	---	---	---
Magnesium	ppm	■ 492	---	---	---
Zinc	ppm	■ 857	---	---	---
Phosphorus	ppm	682	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	46	---	---	---

Depot: VOLVO0093
Unique No: 11073560
Signed: Sean Felton
Report Date: 17 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

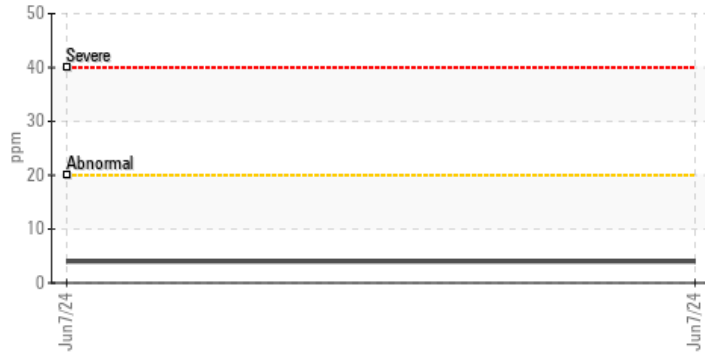
Iron (ppm)



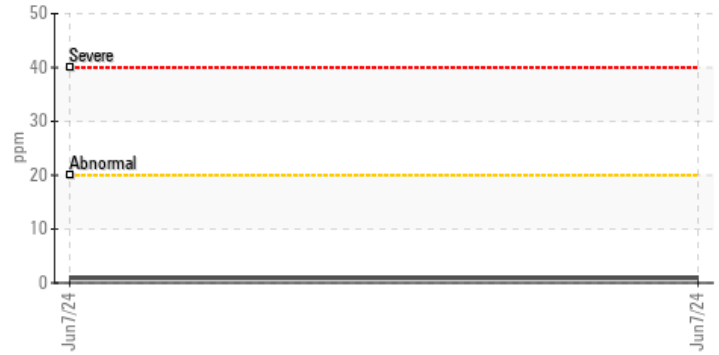
Lead (ppm)



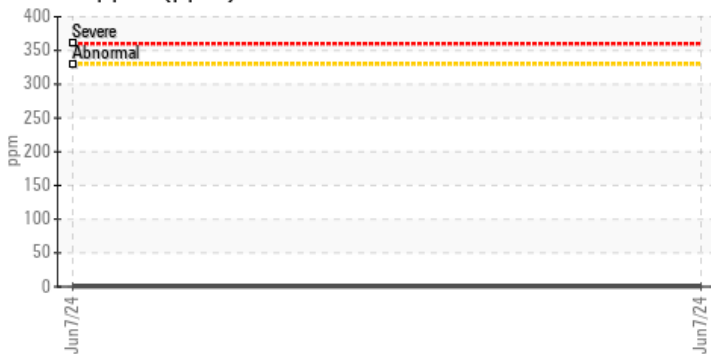
Aluminum (ppm)



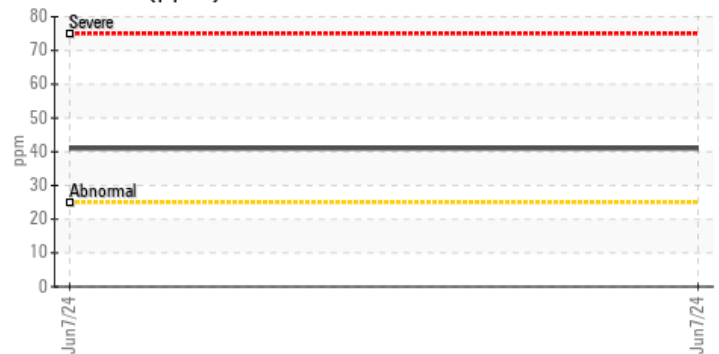
Chromium (ppm)



Copper (ppm)



▲ Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

