



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[2008804]

Machine Id

T1313

Component

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

### RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 10W30. Please confirm.

### WEAR

All component wear rates are normal.

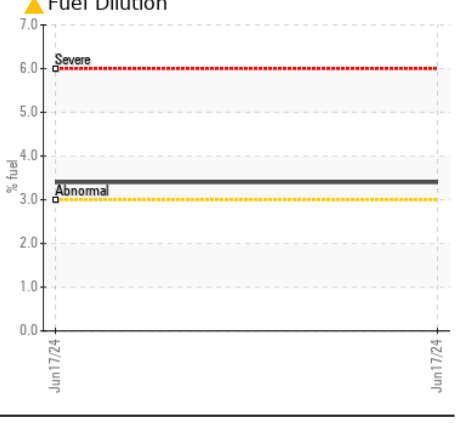
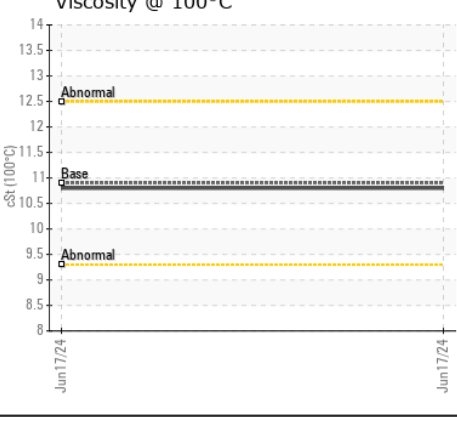
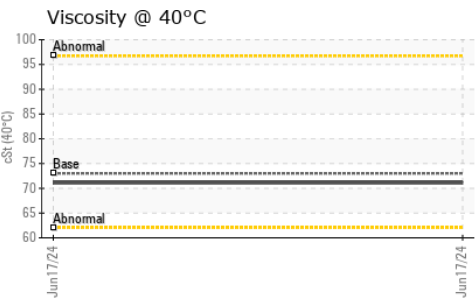
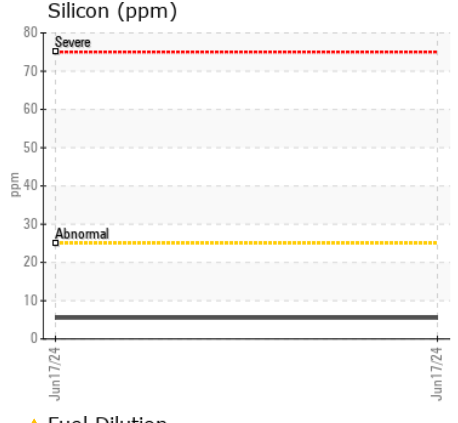
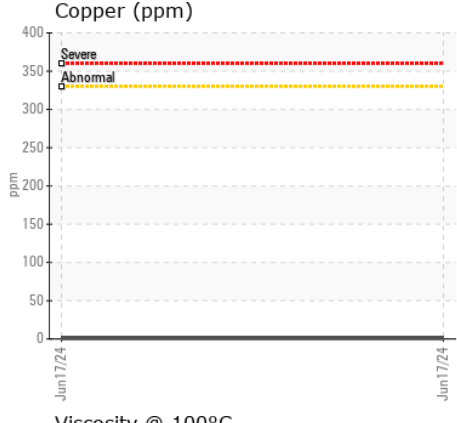
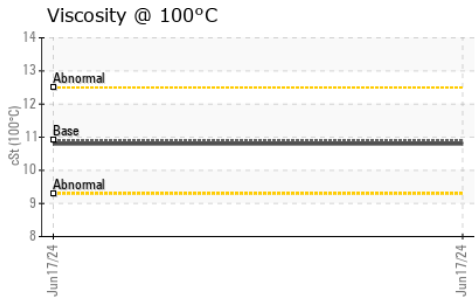
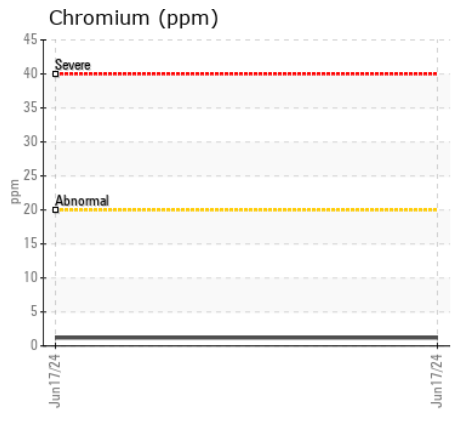
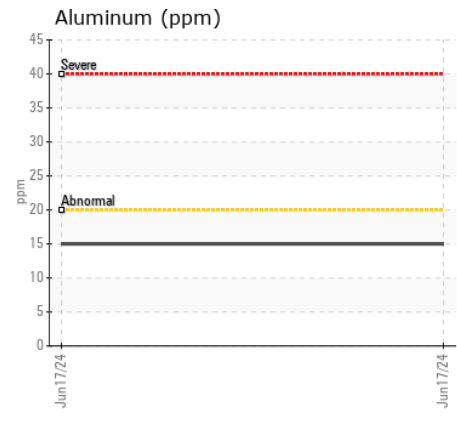
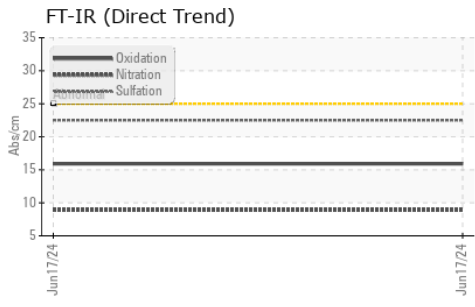
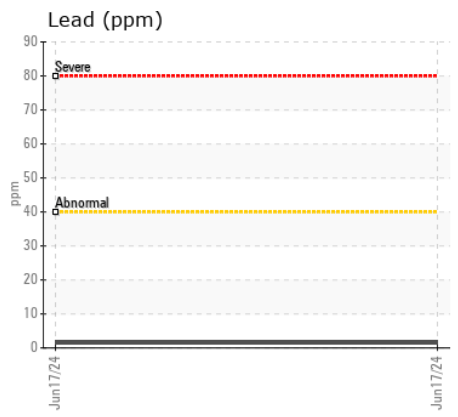
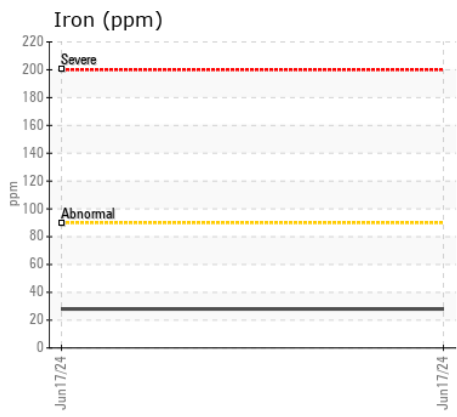
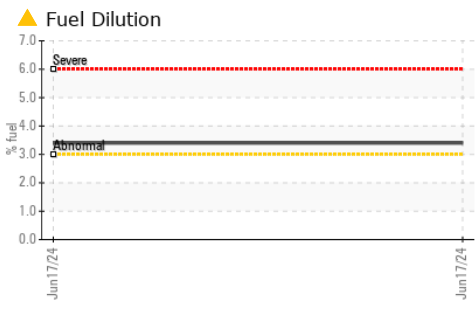
### CONTAMINATION

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0033509	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	kms	Client Info		147572	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>90	28	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	15	---	---
Lead	ppm	ASTM D5185(m)	>40	2	---	---
Copper	ppm	ASTM D5185(m)	>330	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>25	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	36	---	---
Fuel	%	ASTM D7593*	>3.0	▲ 3.4	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>6	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	8.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.5	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	250	9	---	---
Barium	ppm	ASTM D5185(m)	10	0	---	---
Molybdenum	ppm	ASTM D5185(m)	100	6	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)	450	34	---	---
Calcium	ppm	ASTM D5185(m)	3000	2243	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	837	---	---
Zinc	ppm	ASTM D5185(m)	1350	1009	---	---
Sulfur	ppm	ASTM D5185(m)	4250	2759	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.9	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	73	71.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	10.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	138	140	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : IL0033509 **Received** : 18 Jun 2024  
**Lab Number** : **02642543** **Tested** : 19 Jun 2024  
**Unique Number** : 5800082 **Diagnosed** : 19 Jun 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI, Visual )

**ALTRUCK IDEALEASE**  
 2 ARROWSMITH ROAD  
 HAMILTON, ON  
 CA L8E 4H8  
 Contact: Kevin Pietracupa  
 hservice@altruck.com  
 T: (905)578-2211  
 F: (905)578-7436

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.