

# **OIL ANALYSIS REPORT**

Sample Rating Trend







**FP60** Component

Diesel Engine

{not provided} (--- GAL)

### **DIAGNOSIS**

Machine Id

#### Recommendation

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

Moderate concentration of visible metal present. All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

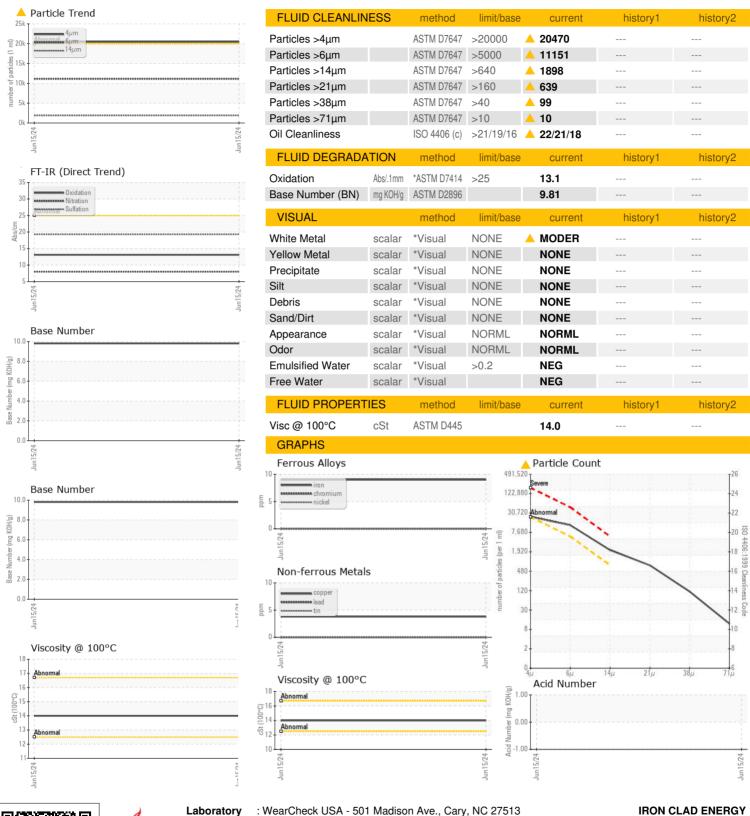
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0014473		
Sample Date		Client Info		15 Jun 2024		
Machine Age	hrs	Client Info		11838		
Oil Age	hrs	Client Info		900		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	7 0.12	NEG		
WEAR METALS		method	limit/base		historya	history
				current	history1	history2
Iron	ppm	ASTM D5185m	>100	9		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	4		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		74		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		759		
Calcium	ppm	ASTM D5185m		1508		
Phosphorus	ppm	ASTM D5185m		1110		
Zinc	ppm	ASTM D5185m		1352		
Sulfur	ppm	ASTM D5185m		4795		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		26		
Potassium	ppm	ASTM D5185m	>20	6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	8.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3		



## OIL ANALYSIS REPORT





Certificate 12367

Laboratory

Sample No.

: KL0014473 : 06215922

Lab Number Unique Number : 11088786

**Tested** Diagnosed Test Package: MOB 2 (Additional Tests: PrtCount, TAN Man)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 23 Jun 2024 - Don Baldridge

: 20 Jun 2024

: 23 Jun 2024

T: F:

Report Id: IROMID [WUSCAR] 06215922 (Generated: 06/24/2024 08:47:56) Rev: 1

Contact/Location: TREVOR FRENETTE - IROMID

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US 79706

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