



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
CUMMINS 846-4754
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

We advise that you check the fuel injection system. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of fuel present in the oil.

FLUID CONDITION

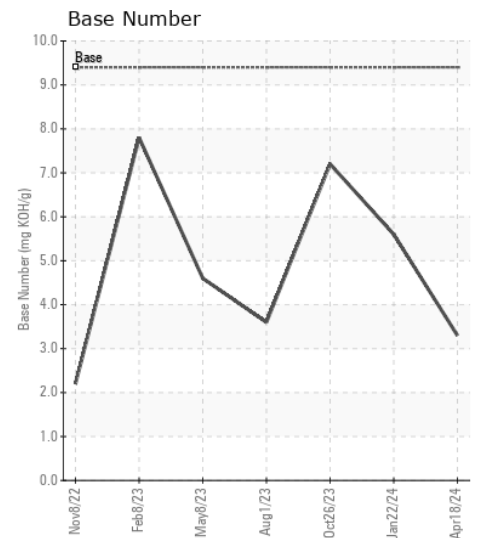
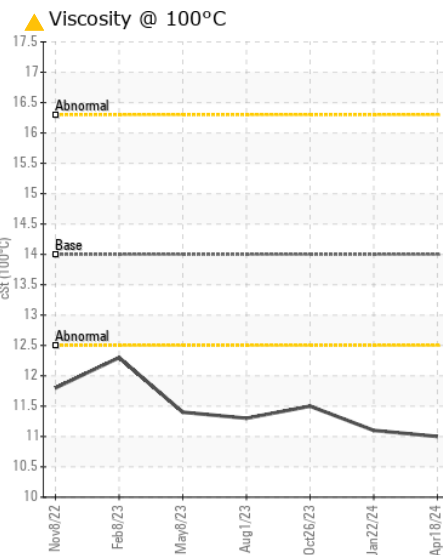
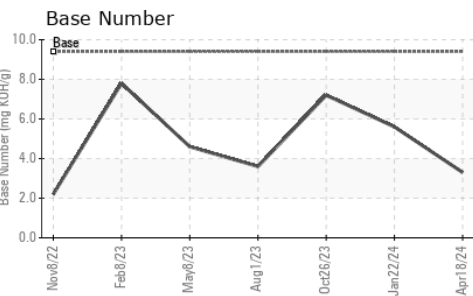
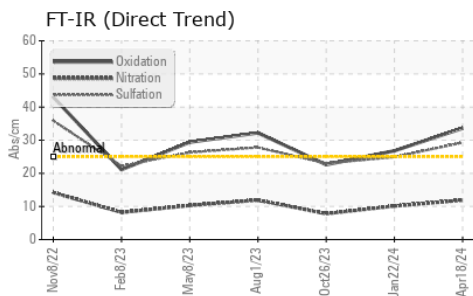
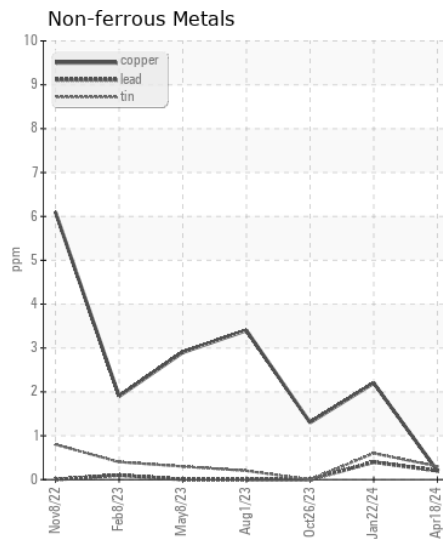
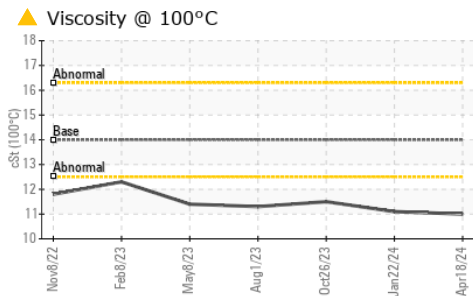
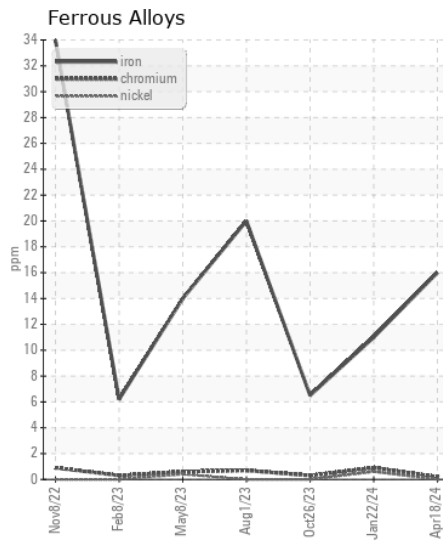
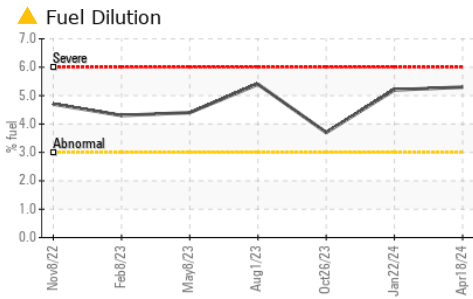
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019326	RPL0017549	RPL0015845
Sample Date		Client Info		18 Apr 2024	22 Jan 2024	26 Oct 2023
Machine Age	mls	Client Info		84827	78502	73258
Oil Age	mls	Client Info		57198	5244	5424
Filter Age	mls	Client Info		0	5244	5424
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>90	16	11	6
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	10	4	3
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	<1	2	1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	4	5	4
Potassium	ppm	ASTM D5185m	>20	27	14	8
Fuel	%	ASTM D3524	>3.0	▲ 5.3	▲ 5.2	▲ 3.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.3	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	11.9	10.1	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.3	24.9	23.0
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		2	0	0
Boron	ppm	ASTM D5185m	0	2	4	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	59	59	60
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	0	867	892	910
Calcium	ppm	ASTM D5185m		1003	977	1026
Phosphorus	ppm	ASTM D5185m		873	918	974
Zinc	ppm	ASTM D5185m		1118	1165	1210
Sulfur	ppm	ASTM D5185m		3339	3232	3166
Oxidation	Abs/.1mm	*ASTM D7414	>25	33.6	26.8	22.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	3.3	5.6	7.2
Visc @ 100°C	cSt	ASTM D445	14	▲ 11.0	▲ 11.1	▲ 11.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019326 **Received** : 10 May 2024
Lab Number : 06175326 **Tested** : 15 May 2024
Unique Number : 11021379 **Diagnosed** : 15 May 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: PercentFuel)

RTL PACLEASE - 7006 - Pico Rivera
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 Contact: GERARDO CARROLA
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)