



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	ABNORMAL

Machine Id
859-1671
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0013303	RPL0013362	RPL0011553
Sample Date		Client Info		09 Aug 2023	28 Jun 2023	18 Apr 2023
Machine Age	mls	Client Info		103543	101693	98626
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	SEVERE	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	15	48	27
Chromium	ppm	ASTM D5185m	>20	<1	2	<1
Nickel	ppm	ASTM D5185m	>4	1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	2	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	12	5
Lead	ppm	ASTM D5185m	>40	<1	3	0
Copper	ppm	ASTM D5185m	>330	54	4	4
Tin	ppm	ASTM D5185m	>15	<1	4	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

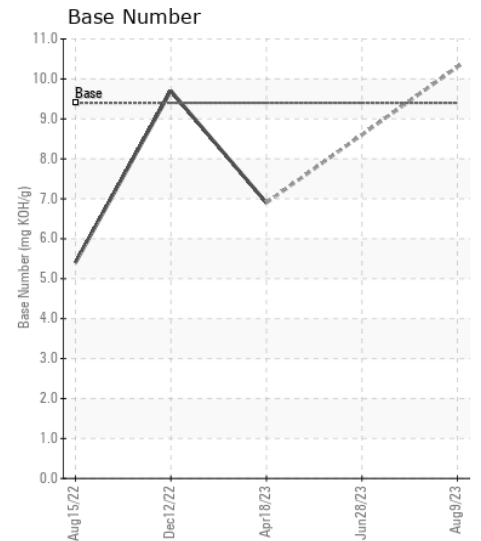
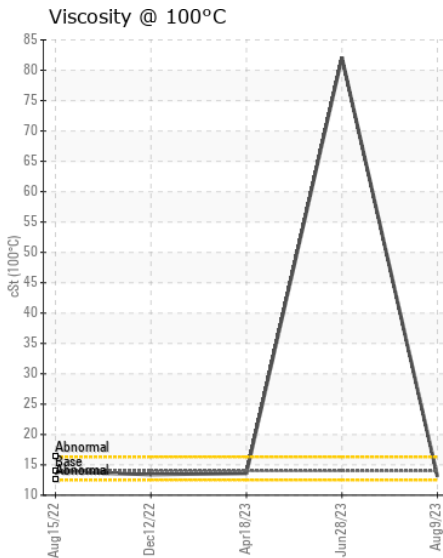
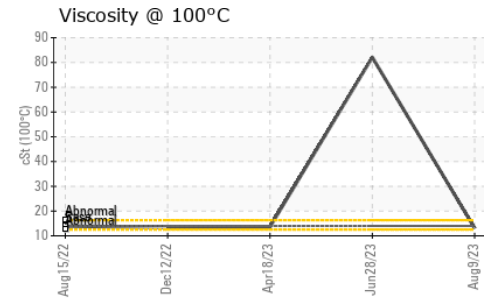
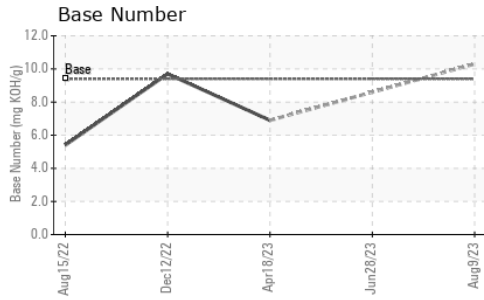
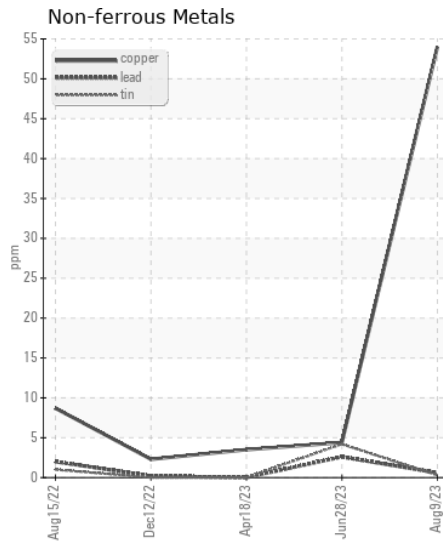
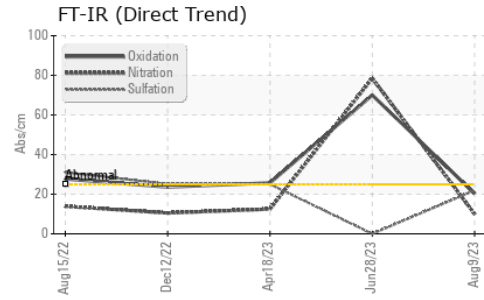
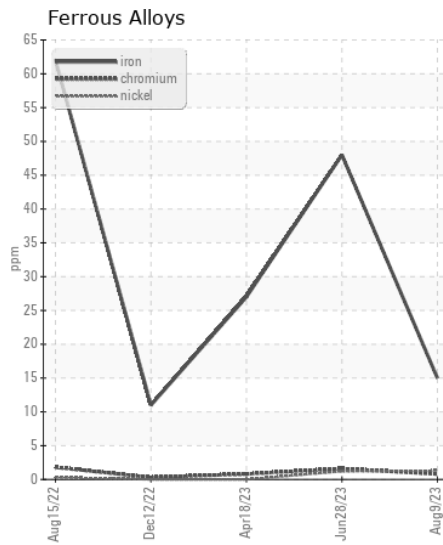
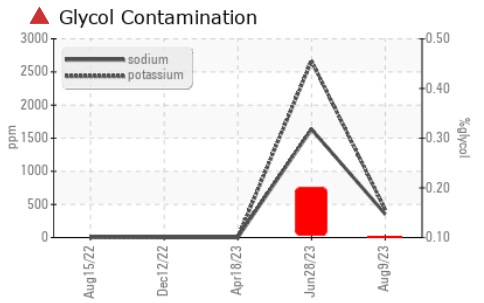
Sodium and/or potassium levels are high. Test for glycol is positive.

Silicon	ppm	ASTM D5185m	>25	18	▲ 62	6
Potassium	ppm	ASTM D5185m	>20	▲ 423	▲ 2665	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	*ASTM D2982		▲ 0.10	▲ 0.20	NEG
Soot %	%	*ASTM D7844	>3	0.3	1.3	0.8
Nitration	Abs/cm	*ASTM D7624	>20	10.0	78.5	12.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	0.0	25.0
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

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

Sodium	ppm	ASTM D5185m		▲ 354	▲ 1634	2
Boron	ppm	ASTM D5185m	0	18	128	35
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	105	282	42
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m	0	464	312	573
Calcium	ppm	ASTM D5185m		1407	926	1649
Phosphorus	ppm	ASTM D5185m		649	478	707
Zinc	ppm	ASTM D5185m		804	628	954
Sulfur	ppm	ASTM D5185m		2086	1812	2502
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.3	70.0	25.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	10.3	---	6.9
Visc @ 100°C	cSt	ASTM D445	14	13.1	▲ 82.1	13.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0013303
Lab Number : 05934210
Unique Number : 10619481
Test Package : FLEET

Received : 24 Aug 2023
Tested : 28 Aug 2023
Diagnosed : 28 Aug 2023 - Jonathan Hester

RTL PACLEASE - 7051 - Las Vegas
 4150 Arctic Spring Ave
 North Las Vegas, NV
 US 89115

Contact: Rudy Trevizo
 TrevizoR@RushEnterprises.Com

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)

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F: