OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
PACCAR 8464454
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (18 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

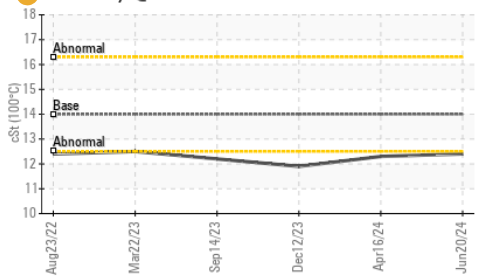
There is no indication of any contamination in the oil.

FLUID CONDITION

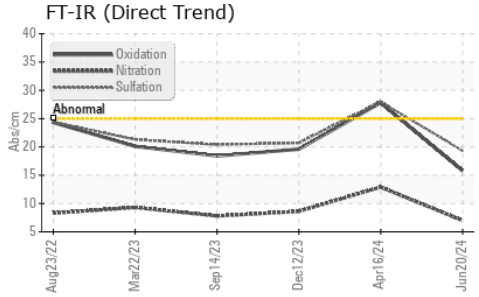
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021936	RPL0019356	RPL0016824
Sample Date		Client Info		20 Jun 2024	16 Apr 2024	12 Dec 2023
Machine Age	mls	Client Info		169943	161888	149003
Oil Age	mls	Client Info		148535	21408	8523
Filter Age	mls	Client Info		0	21408	8523
Oil Changed		Client Info		Not Changd	Not Changd	Filtered
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>100	11	52	15
Chromium	ppm	ASTM D5185m	>20	0	2	<1
Nickel	ppm	ASTM D5185m	>4	0	2	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	11	40	11
Lead	ppm	ASTM D5185m	>40	0	1	0
Copper	ppm	ASTM D5185m	>330	<1	3	1
Tin	ppm	ASTM D5185m	>15	<1	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	4	7	3
Potassium	ppm	ASTM D5185m	>20	27	101	26
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.6	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.0	12.9	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	28.0	20.7
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		<1	2	<1
Boron	ppm	ASTM D5185m	0	4	<1	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	60	65	59
Manganese	ppm	ASTM D5185m		0	2	0
Magnesium	ppm	ASTM D5185m	0	976	950	917
Calcium	ppm	ASTM D5185m		1076	1124	1021
Phosphorus	ppm	ASTM D5185m		1099	1063	896
Zinc	ppm	ASTM D5185m		1348	1241	1184
Sulfur	ppm	ASTM D5185m		4034	3417	3226
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	27.8	19.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.1	4.1	7.7
Visc @ 100°C	cSt	ASTM D445	14	12.4	12.3	11.9

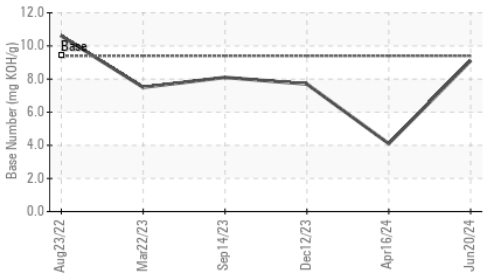
Viscosity @ 100°C



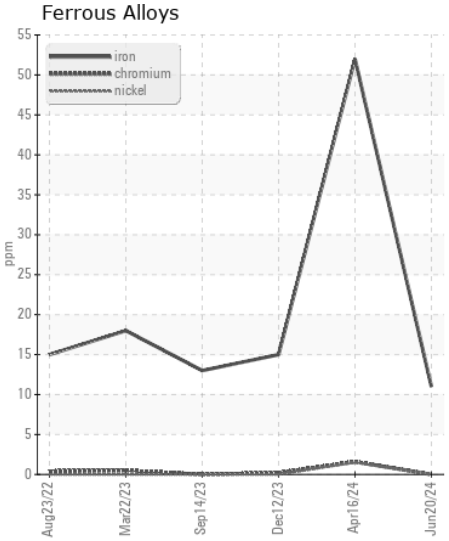
FT-IR (Direct Trend)



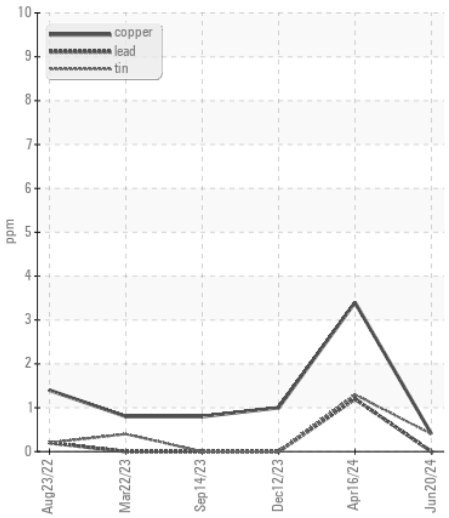
Base Number



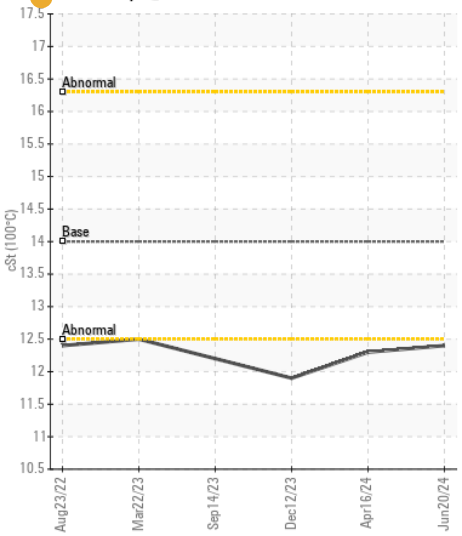
Ferrous Alloys



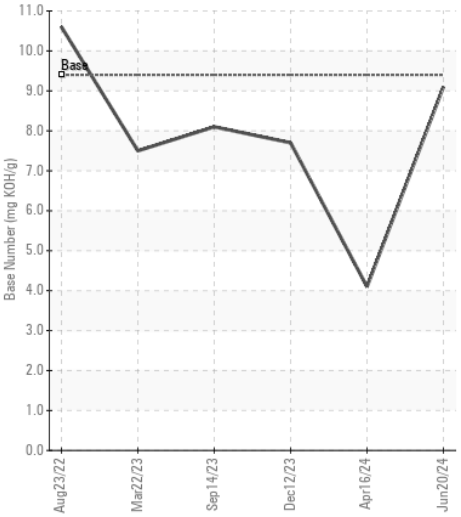
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021936
Lab Number : 06234462
Unique Number : 11123296
Test Package : FLEET

Received : 12 Jul 2024
Tested : 12 Jul 2024
Diagnosed : 14 Jul 2024 - Don Baldridge

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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