



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 9571510
Component
Diesel Engine
Fluid
DELO SYNBLEND 10W30 (45 QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0018893	RPL0014263	RPL0014009
Sample Date		Client Info		11 Jun 2024	12 Mar 2024	18 Dec 2023
Machine Age	hrs	Client Info		10278	9999	9622
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	15	44	26
Chromium	ppm	ASTM D5185m	>5	<1	2	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	7	4
Lead	ppm	ASTM D5185m	>150	0	5	<1
Copper	ppm	ASTM D5185m	>90	0	2	<1
Tin	ppm	ASTM D5185m	>5	0	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

CONTAMINATION

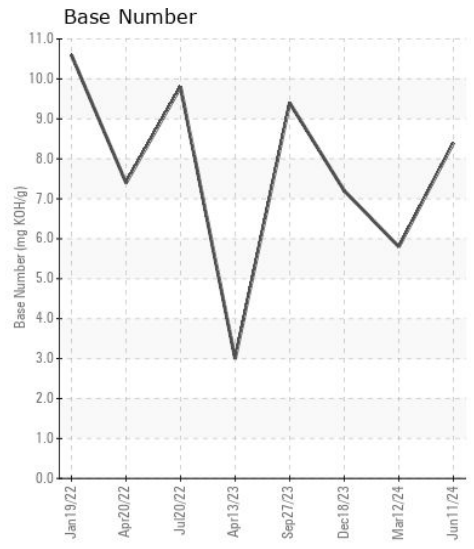
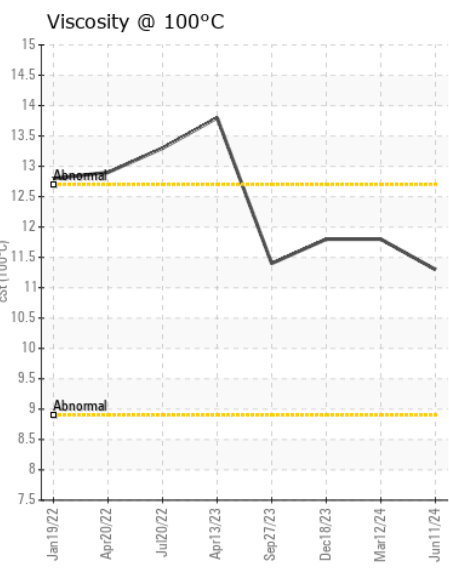
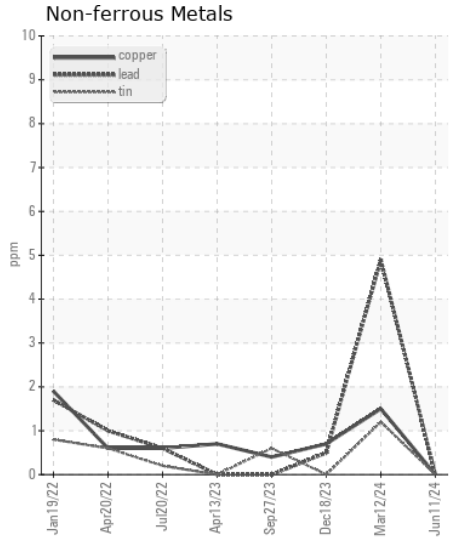
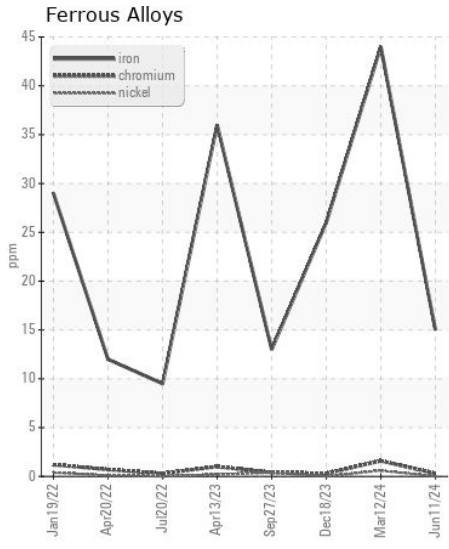
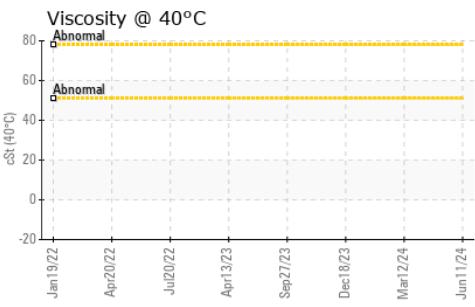
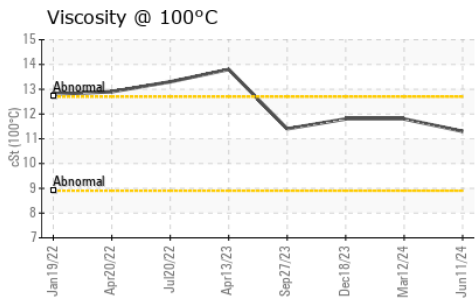
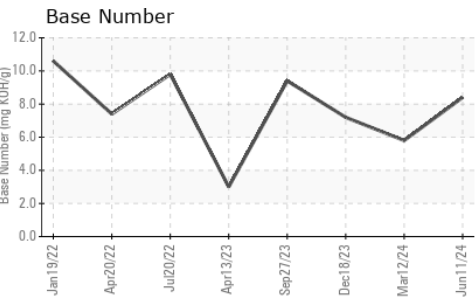
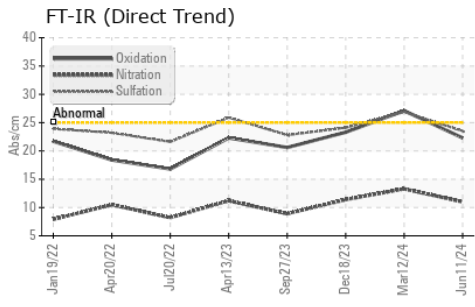
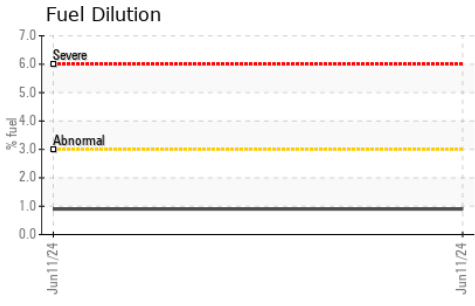
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	7	12	9
Potassium	ppm	ASTM D5185m	>20	7	16	11
Fuel	%	ASTM D3524	>3.0	0.9	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.5	0.8	0.6
Nitration	Abs/cm	*ASTM D7624	>20	11.0	13.3	11.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	26.9	24.1
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. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	2	<1
Boron	ppm	ASTM D5185m		30	43	69
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		44	57	55
Manganese	ppm	ASTM D5185m		<1	1	0
Magnesium	ppm	ASTM D5185m		493	484	470
Calcium	ppm	ASTM D5185m		1629	1702	1647
Phosphorus	ppm	ASTM D5185m		792	899	858
Zinc	ppm	ASTM D5185m		967	1082	1050
Sulfur	ppm	ASTM D5185m		2747	3041	2971
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	27.1	23.3
Base Number (BN)	mg KOH/g	ASTM D2896		8.4	5.8	7.2
Visc @ 100°C	cSt	ASTM D445		11.3	11.8	11.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0018893 **Received** : 01 Jul 2024
Lab Number : 06225504 **Tested** : 03 Jul 2024
Unique Number : 11103701 **Diagnosed** : 03 Jul 2024 - Wes Davis
Test Package : FLEET (Additional Tests: FuelDilution, KV40, PercentFuel)

RTL PACLEASE - 7001 - Houston
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 Houston, TX
 US 77026
 Contact: RODNEY BRIGGS
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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)