

Machine Id **PETERBILT 272463** ompone **Diesel Engine** CASTROL VECTON 15W40 CK4 (46 QTS) RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No
corrective action is recommended at this time. Resample at the

Oil and filter change at the time of sampling has been noted. No
corrective action is recommended at this time. Resample at the next
service interval to monitor.

The aluminum level is abnormal. All other component wear rates are

	ITAMII		
CON		NAH	UN

WEAR

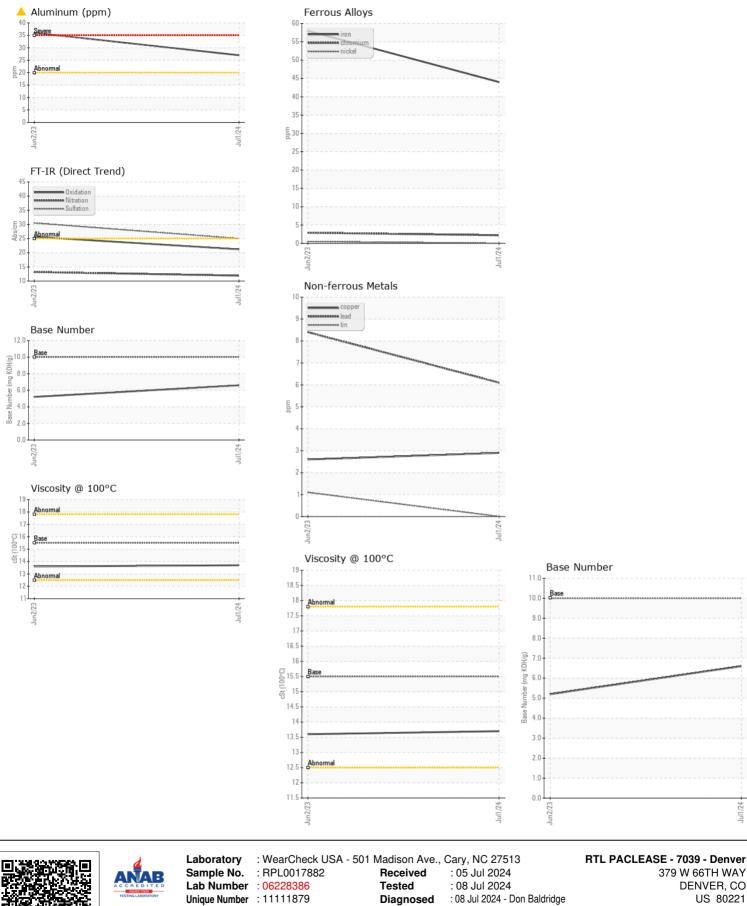
normal.

There is no indication of any contamination in the oil.

FLU	CO	ND	ITI	
LO				

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017882	RPL0007573	
Sample Date		Client Info		01 Jul 2024	02 Jun 2023	
Machine Age	mls	Client Info		260313	198991	
Oil Age	mls	Client Info		27396	32428	
Filter Age	mls	Client Info		27396	32428	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
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Iron	ppm	ASTM D5185m	>165	44	58	
Chromium	ppm	ASTM D5185m	>5	2	3	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m	>2	<1	<1	
Silver	ppm	ASTM D5185m	>2	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	<b>A</b> 36	
Lead	ppm	ASTM D5185m	>150	6	8	
Copper	ppm	ASTM D5185m	>90	3	3	
Tin	ppm	ASTM D5185m	>5	0	1	
Vanadium	ppm	ASTM D5185m		<1	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>35	4	7	
Potassium	ppm	ASTM D5185m	>20	20	40	
Fuel		WC Method	>3.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>7.5	1.2	1.2	
Nitration	Abs/cm	*ASTM D7624	>20	11.9	13.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.0	30.5	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	nnm	ASTM D5185m		6	3	
Boron	ppm ppm	ASTM D5185m		8	17	
Barium		ASTM D5185m		0	0	
Molybdenum	ppm ppm	ASTM D5185m		60	72	
Manganese		ASTM D5185m		1	1	
Magnesium	ppm	ASTM D5185m		975	221	
Calcium	ppm	ASTM D5185m		975 1211	221	
Phosphorus	ppm ppm	ASTM D5185m		976	943	
Zinc		ASTM D5185m		976 1147	1234	
Sulfur	ppm	ASTM D5185m			4072	
	ppm		> 2F	2920 21.2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.2	25.6	
Base Number (BN)	mg KOH/g	ASTM D2896	10	6.6	5.2	
Visc @ 100°C	cSt	ASTM D445	15.5	13.7	13.6	



Test Package : FLEET Certificate L2367

To discuss this sample report, contact Customer Service at 1-800-237-1369. thomasj2@rushenterprises.com * - 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)

Contact: JEFF THOMAS

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