WEAR CONTAMINATION **FLUID CONDITION**

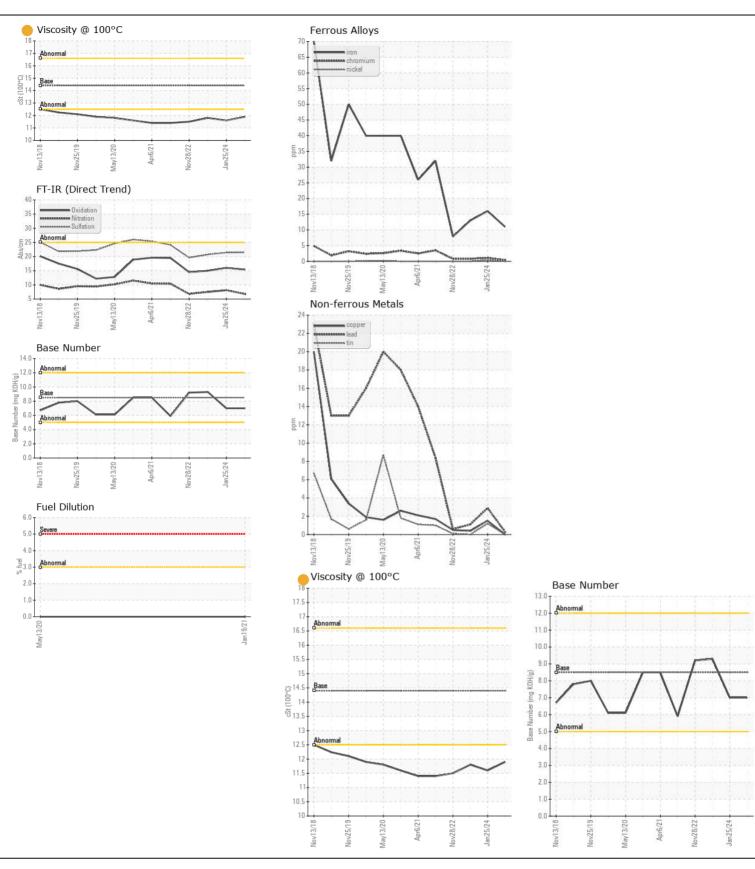
NORMAL NORMAL ATTENTION

Machine Id

PETERBILT TDI1419

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0936246	WC0869142	,
	Sample Date		Client Info		02 Jul 2024	25 Jan 2024	17 Oct 202
	Machine Age	mls	Client Info		443760	426740	415096
	Oil Age	mls	Client Info		25000	25000	25000
	Filter Age	mls	Client Info		25000	25000	25000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	ATTENTION	ATTENTIO
VEAR	Iron	ppm	ASTM D5185m	>200	11	16	13
	Chromium	ppm	ASTM D5185m	>10	<1	1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	3	1
	Lead	ppm	ASTM D5185m		- <1	3	1
	Copper	ppm	ASTM D5185m		0	2	<1
	Tin	ppm	ASTM D5185m		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	Silicon	nnm	ASTM D5185m	~ 3U	7	5	3
CONTAININATION	Potassium	ppm	ASTM D5185m		1	2	2
There is no indication of any contamination in the oil.	Fuel	ppm %	ASTM D3163111		<1.0	<1.0	<1.0
	Water	/0	WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~3	0.7	0.7	0.9
	Nitration	Abs/cm	*ASTM D7624		6.8	8.1	7.5
	Sulfation	Abs/.1mm	*ASTM D7415		21.5	21.4	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
THE CONDITION							
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	0	0
The oil viscosity is lower than normal. The BN result indicates that	Boron	ppm	ASTM D5185m		290	289	4
there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0	1	<1
	Molybdenum	ppm	ASTM D5185m	100	88	95	60
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		434	542	869
	Calcium	ppm	ASTM D5185m		1507	1404	1078
	Phosphorus	ppm	ASTM D5185m		1023	1038	946
	Zinc	ppm	ASTM D5185m		1216	1221	1162
	Sulfur	ppm	ASTM D5185m		3589	3349	3348
	Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896		15.4	16.0 7.0	15.0 9.3
	Base Number (BN)				7.0		







Laboratory Sample No. Unique Number: 11114562

Lab Number : 06231069

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0936246

Received **Tested** Diagnosed

: 08 Jul 2024 : 10 Jul 2024

: 10 Jul 2024 - Don Baldridge

Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com T: (336)767-9642

198 PARK PLAZA DRIVE

WINSTON SALEM, NC

US 27105

SALEM NATIONALEASE CORPORATION

Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel) Certificate L2367 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)

F: x:

Contact/Location: Audrey Hopkins - SALWIN