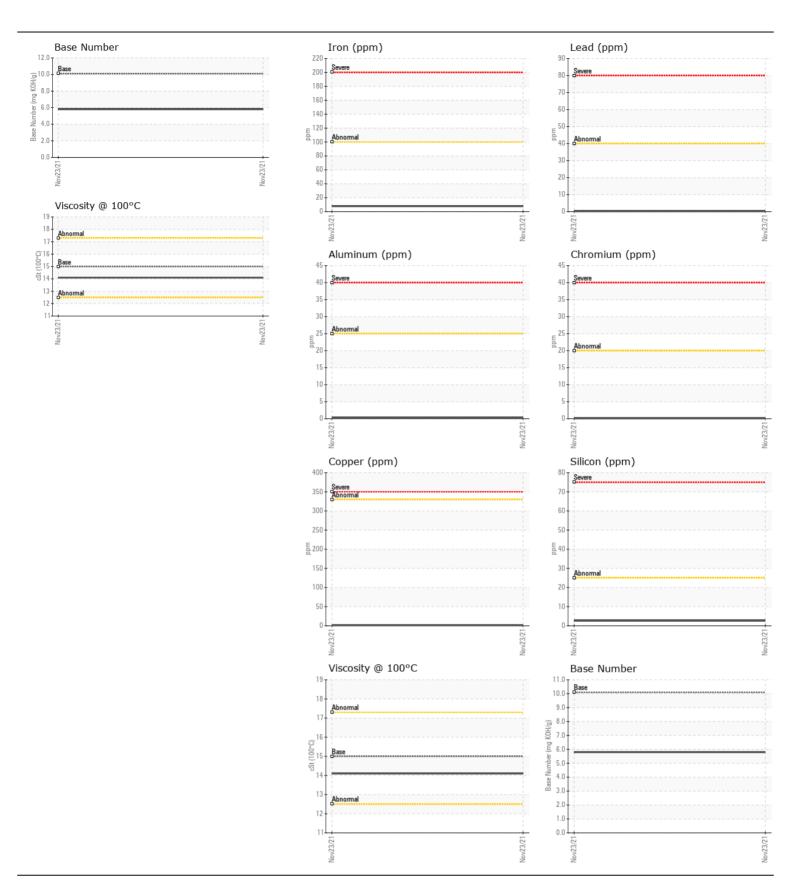
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

OIL ANALYSIS REPORT

PETERBILT 378 BIGGS 5 (S/N 1D564393)

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR05433758		
	Sample Date		Client Info		23 Nov 2021		
	Machine Age	mls	Client Info		179500		
	Oil Age	mls	Client Info		14000		
	Filter Age	mls	Client Info		14000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
/EAR	Iron	nnm	ASTM D5185m	>100	8		
/LAN		ppm	ASTM D5185m				
All component wear rates are normal.	Chromium	ppm			<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		<1		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3		
	Potassium	ppm	ASTM D5185m	>20	8		
There is no indication of any contamination in the oil.	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.2		
	Nitration	Abs/cm	*ASTM D7624	>20	7.3		
	Sulfation	Abs/.1mm	*ASTM D7415		21.1		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
LUD CONDITION			107115				
LUID CONDITION	Sodium	ppm	ASTM D5185m		6		
ne BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		152		
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		1		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		21		
	Calcium	ppm	ASTM D5185m		2069		
	Phosphorus	ppm	ASTM D5185m		915		
	Zinc	ppm	ASTM D5185m		1088		
	Sulfur	ppm	ASTM D5185m		3326		
	Oxidation	Abs/.1mm	*ASTM D7414		16.8		
	Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.80		
	Visc @ 100°C	cSt	ASTM D445	4 -	14.1		





Certificate L2367

Laboratory Sample No.

Lab Number : 05433758

: TR05433758 Unique Number : 9797951 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Dec 2021 : 03 Jan 2022 **Tested**

: 03 Jan 2022 - Wes Davis Diagnosed

CHANDLER S LEAVITT

105E 300N MONROE, UT US 84754

Contact: JOHN AAGARD

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T:

F: