

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Area

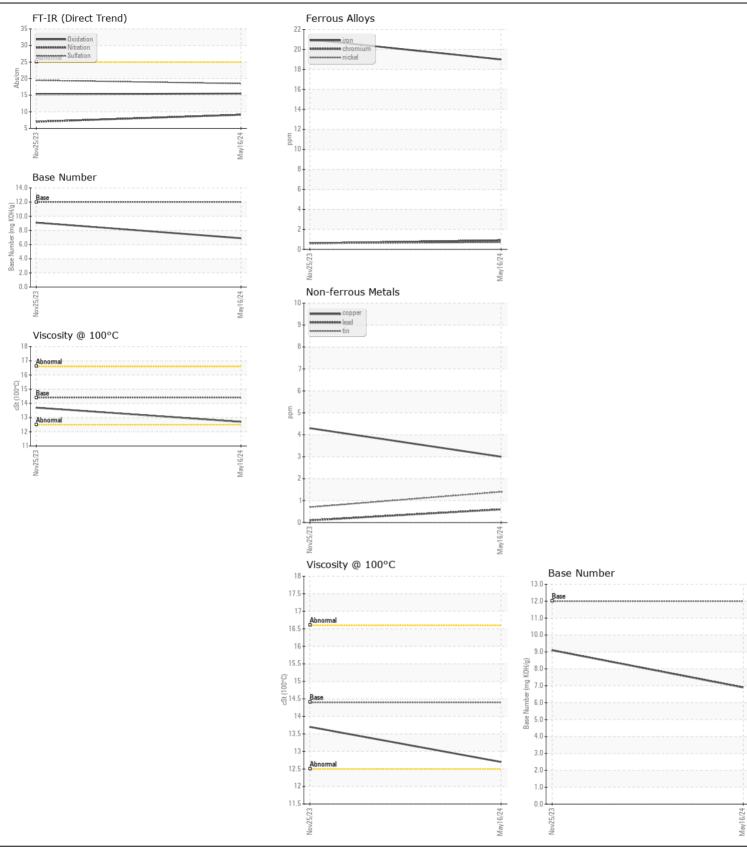
[44547663]

PETERBILT 9571819

Diesel Engine

MOBIL DELVAC MX 15W40 (--- QTS)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016491	RPL0013712	
Sample Date		Client Info		16 May 2024	25 Nov 2023	
Machine Age	mls	Client Info		33317	19085	
Oil Age	mls	Client Info		14232	8829	
Filter Age	mls	Client Info		14232	8829	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>100	19	21	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>20	11	11	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	3	4	
Tin	ppm		>15	1	<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	>25	7	8	
Potassium	ppm	ASTM D5185m	>20	22	28	
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.2	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	9.1	7.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	19.5	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE		NONE	
Appearance	scalar	*Visual				
	scalar	*Visual		NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		2	<1	
Boron	ppm	ASTM D5185m		72	36	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		111	67	
Manganese	ppm	ASTM D5185m		<1	2	
Magnesium	ppm	ASTM D5185m		748	933	
Calcium	ppm	ASTM D5185m		1302	1111	
Phosphorus	ppm			732	947	
Zinc	ppm			1002	1166	
Sulfur	ppm	ASTM D5185m		3298	2680	
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896		15.5 6.9	15.3 9.1	
	Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Sample Date Machine Age mls Oil Age mls Filter Age mls Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus Zinc ppm	Sample Date Machine Age Mis Client Info Oil Age Mis Client Info Client Info Oil Age Mis Client Info Client Info Oil Changed Filter Changed Sample Status Iron Chromium Dpm ASTM D5185m Nickel Dpm ASTM D5185m Titanium Dpm ASTM D5185m Aluminum Dpm ASTM D5185m Lead Dpm ASTM D5185m Tin Dpm ASTM D5185m Vanadium Dpm ASTM D5185m White Metal Scalar Visual Silicon Dpm ASTM D5185m Potassium Po	Sample Date Machine Age MIS Client Info Oil Age MIS Client Info Client Info Filter Age MIS Client Info Client Info Filter Age MIS Client Info Sample Status Iron ppm ASTM D5185m S185m S180er ppm ASTM D5185m S180er Popper ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar Visual NONE Yellow Metal scalar Visual NONE Silicon ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m S25 Potassium ppm ASTM D5185m S20 Fuel WC Method Soot WC Method Soot Soot Soot Soot Sulfation Abs/cm Abs/cm ASTM D7844 A3 Nitration Abs/cm Abs/mm ASTM D7844 A3 Nitration Abs/cm Abs/mm ASTM D7844 NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance Scalar Visual NONE ASTM D5185m ASTM D5185	Sample Date Client Info 16 May 2024 Machine Age mls Client Info 33317 Oil Age mls Client Info 14232 Filter Age mls Client Info 14232 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m -100 Sample Status NORMAL NORMAL Iron ppm ASTM D5185m -100 19 Chromium ppm ASTM D5185m -20 -1 Nickel ppm ASTM D5185m -20 -1 Silver ppm ASTM D5185m -20 -1 Aluminum ppm ASTM D5185m -20 -1 Lead ppm ASTM D5185m -33 -3 Aluminum ppm ASTM D5185m -40 -1 Copper ppm ASTM D5185m -20 -	Sample Date Client Info 16 May 2024 25 Nov 2023 Machine Age mls Client Info 33317 19085 19





Certificate L2367

Laboratory Sample No.

Lab Number : 06190287 Unique Number : 11047039 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : RPL0016491 : 24 May 2024

: 25 May 2024 **Tested** Diagnosed : 25 May 2024 - Wes Davis

RTL PACLEASE - 7002 - San Antonio

8810 IH-10 Frontage Road Converse, TX US 78109

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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)

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Submitted By: Mike Friel

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