WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

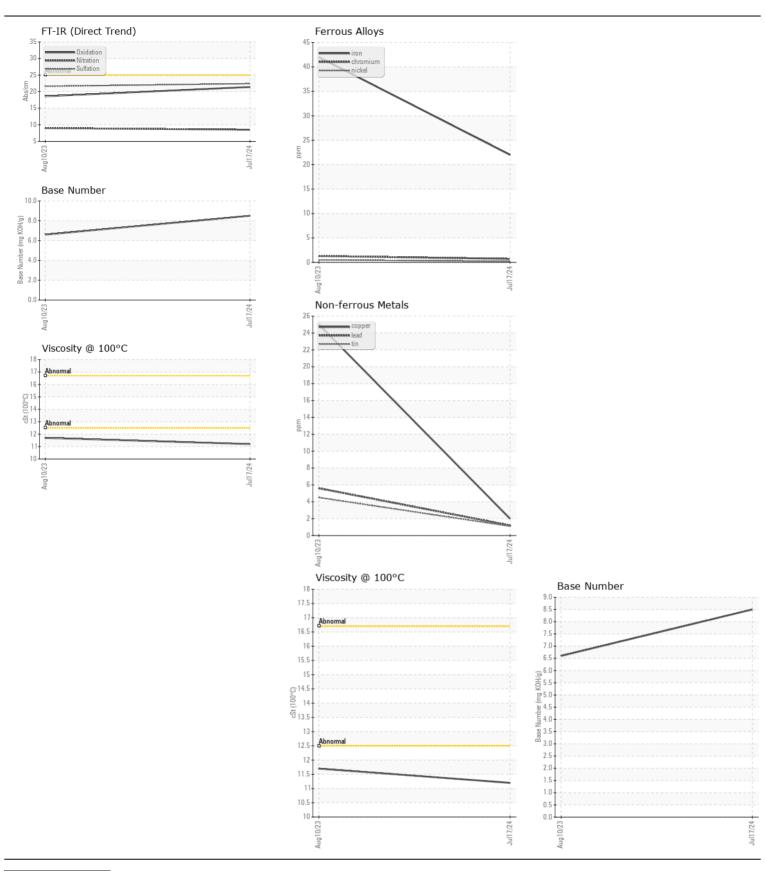
Machine Id

9429182

Component
Diesel Engine

S1300 10W30 (--- QTS)

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0036867	IL05967534	
Sample Date		Client Info		17 Jul 2024	10 Aug 2023	
Machine Age	mls	Client Info		105065	38062	
Oil Age	mls	Client Info		0	0	
Filter Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>100	22	42	
Chromium	ppm	ASTM D5185m	>20	<1	1	
Nickel				<1	<1	
Titanium	• •	ASTM D5185m		0	0	
			>3		<1	
				2	25	
			NONE	NONE		
Silicon	ppm	ASTM D5185m	>25	9	44	
Potassium	ppm	ASTM D5185m	>20	10	80	
Fuel	%	ASTM D3524	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.2	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.5	9.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	21.6	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar				NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual		NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	
On all own		ACTA DE10E		• • • • • • • • • • • • • • • • • • • •	4	
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	ppm	ASTM D5185m				
Colton	nnm	ASTIVITISTES M		2851	2825	
Sulfur	ppm		0.5		40.0	
Sulfur Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896	>25	21.4 8.5	18.6 6.6	
	Sample Number 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  Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel ppm Titanium ppm Aluminum Lead Copper Tin ypm Vanadium White Metal Yellow Metal Scalar Yellow Metal Soot % Nitration Sulfation Silt Soot % Nitration Sulfation Silt Scalar Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Pom Manganese Pom Phosphorus	Sample Number Sample Date Machine Age Oil Age Mls Client Info Clie	Sample Number Sample Date Client Info Machine Age MIS Client Info Sample Status  Iron  ppm ASTM D5185m Sample Status  Iron Chromium ppm ASTM D5185m Silver ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar Yolsual NONE Yellow Metal Scalar Yolsual NONE Silicon ppm ASTM D5185m S20 Fuel % ASTM D5185m VONE WC Method Soot % % ASTM D5185m S20 Fuel % ASTM D5185m S20 Sulfation Abs/cm *ASTM D7624 S20 Sulfation Abs/cm *ASTM D7625 S20	Sample Number Sample Date         Client Info         IL0036867           Sample Date         Client Info         17 Jul 2024           Machine Age         mls         Client Info         0           Oil Age         mls         Client Info         0           Filter Age         mls         Client Info         N/A           Filter Changed         Client Info         N/A           Filter Changed         Client Info         N/A           Sample Status         N/A         NORMAL           Iron         ppm         ASTM D5185m         >100           Sample Status         NORMAL         NORMAL           Iron         ppm         ASTM D5185m         >20         <1	Sample Number   Sample Date   Client Info   17 Jul 2024   10 Aug 2023   38062







Laboratory Sample No.

: IL0036867 Lab Number : 06239697 Unique Number : 11128531

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

**Tested** Diagnosed Test Package : FLEET ( Additional Tests: FuelDilution, PercentFuel )

: 19 Jul 2024

: 17 Jul 2024

: 19 Jul 2024 - Sean Felton

NORCROSS, GA US 30071-2808 Contact: RICK MARKS

**IDEALEASE-NORCROSS** 

4571 NORTH BUFORD HWY

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)