WEAR CONTAMINATION FLUID CONDITION

NORMAL MARGINAL ABNORMAL

Machine Id **132236**

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0878553	WC0822900	
Sample Date		Client Info		05 Jan 2024	31 Aug 2023	
Machine Age	mls	Client Info		39342	17997	
Oil Age	mls	Client Info		12000	17997	
Filter Age	mls	Client Info		12000	17997	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>100	42	75	
Chromium	ppm	ASTM D5185m	>20	3	2	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	60	29	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	14	92	
Tin	ppm	ASTM D5185m	>15	<1	1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	8	22	
Potassium	ppm	ASTM D5185m	>20	132	109	
Fuel	%	ASTM D3524	>5	2.3	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.6	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	9.1	11.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	22.2	
Silt	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual		_	_	
	scalar	*Visual				
	scalar				1	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m	>158	1	8	
Boron	ppm	ASTM D5185m	250	3	27	
Barium	ppm	ASTM D5185m	10	0	4	
Molybdenum	ppm	ASTM D5185m	100	59	46	
N A	ppm	ASTM D5185m		2	7	
Manganese		AOTAL DELOE	150	933	830	
Magnesium	ppm	ASTM D5185m			1	
Magnesium Calcium	ppm	ASTM D5185m	3000	1071	1194	
Magnesium Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m	3000 1150	1071 1054	1194 653	
Magnesium Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350	1071 1054 1245	1194 653 846	
Magnesium Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m	3000 1150 1350 4250	1071 1054	1194 653	
	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 Emulsified Water Sodium Boron	Sample Number Sample Date Machine Age mls Oil Age mls Filter Age oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Fuel % Water Glycol Soot % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water Sodium ppm Boron ppm	Sample Number Sample Date Machine Age Mls Client Info Client Info Oil Age Mls Client Info Client Info Client Info Client Info Oil Changed Filter Changed Sample Status Iron Ppm ASTM D5185m Nickel Ppm ASTM D5185m Nickel Ppm ASTM D5185m Nickel Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Visual Vellow Metal Scalar Visual Silicon Potassium Potas	Sample Number Sample Date Machine Age MIS Oil Age MIS Oilent Info Oil Age MIS Oilent Info Oil Age MIS Oilent Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status Iron Ohromium	Sample Number Client Info WC0878553 Sample Date Client Info 05 Jan 2024 Machine Age mls Client Info 12000 Filter Age mls Client Info 12000 Filter Age mls Client Info N/A Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status ABNORMAL Iron ppm ASTM D5185m >100 42 Chromium ppm ASTM D5185m >20 3 Nickel ppm ASTM D5185m >4 <1	Sample Number Client Info WC0878553 WC0822900 Sample Date Client Info 05 Jan 2024 31 Aug 2023 Machine Age mls Client Info 12000 17997 Oil Age mls Client Info 12000 17997 Filter Age mls Client Info 12000 17997 Oil Changed Client Info N/A N/A Filter Changed Client Info N/A N/A Sample Status N/A N/A N/A Iron ppm ASTM D5185m >100 42 75 Chromium ppm ASTM D5185m >20 3 2 Nickel ppm ASTM D5185m >3 0 0 Silver ppm ASTM D5185m >3 0 0 Silver ppm ASTM D5185m >30 14 92 Tin ppm ASTM D5185m >40 <1

Base Number (BN) mg KOH/g ASTM D2896 8.5

ASTM D445 14.4

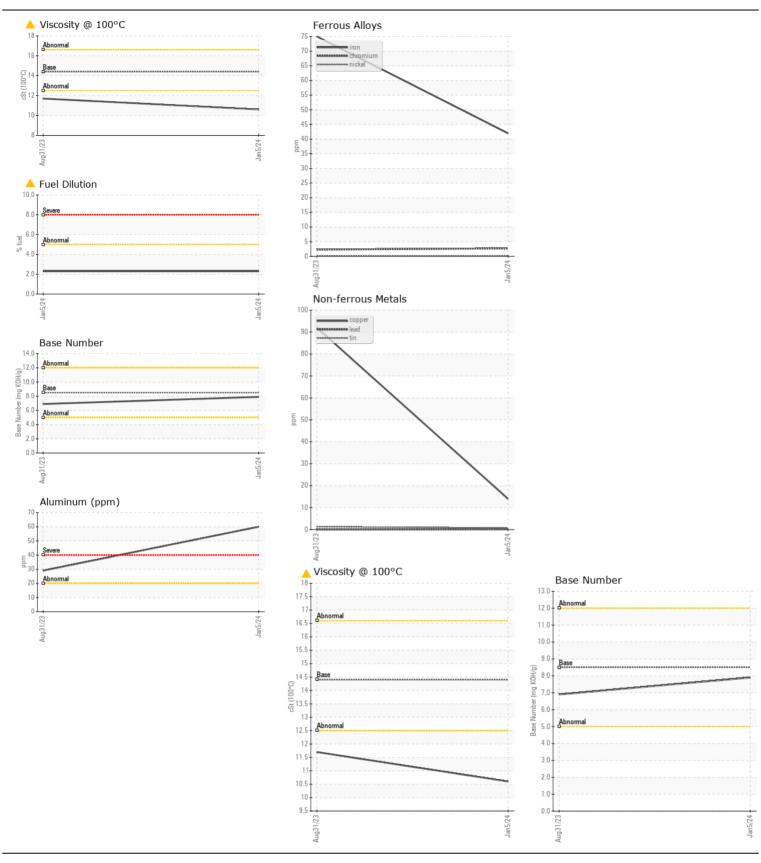
Visc @ 100°C cSt

6.9

11.7

7.9

10.6







Laboratory Sample No. Lab Number **Unique Number**

: WC0878553 : 06060792 : 10832174

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

: 16 Jan 2024 : 18 Jan 2024 Diagnostician : Wes Davis

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