WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**

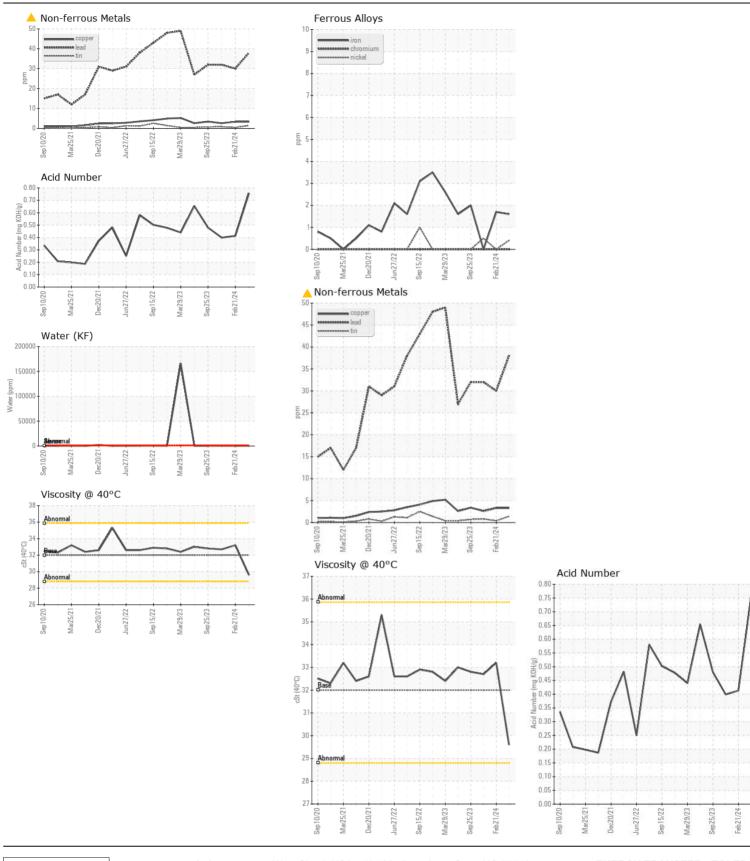
Machine Id

TOLE_U5 TOLE_U5_M5

Drive End Bearing

ROYAL PURPLE SYNFILM GT 32 (4 QTS)

Test Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status	hrs hrs	Method Client Info Client Info Client Info Client Info Client Info Client Info	Limit/Abn	Current RP0029080 15 May 2024 0	0	History2 RP0025469 16 Nov 2023 0
Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed	hrs	Client Info Client Info Client Info Client Info Client Info		15 May 2024 O	21 Feb 2024 0	16 Nov 2023 0
Machine Age Oil Age Filter Age Oil Changed Filter Changed	hrs	Client Info Client Info Client Info Client Info		0	0	0
Oil Age Filter Age Oil Changed Filter Changed	hrs	Client Info Client Info Client Info				
Filter Age Oil Changed Filter Changed		Client Info		0	0	
Oil Changed Filter Changed	hrs	Client Info			0	0
Filter Changed				0	0	0
-		Olivery L. C		N/A	N/A	N/A
Sample Status		Client Info		N/A	N/A	N/A
				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	2	2	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1
Lead	ppm	ASTM D5185m	>20	▲ 38	△ 30	△ 32
Copper	ppm	ASTM D5185m	>20	3	3	3
Tin	ppm	ASTM D5185m	>20	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	2	1	<1
Potassium					0	1
Water	%	ASTM D6304	>0.05	0.035	0.010	0.018
ppm Water	ppm	ASTM D6304	>500	354	102	180
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		7	5	5
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		115	76	71
Calcium	ppm	ASTM D5185m		0	<1	1
Phosphorus	ppm	ASTM D5185m		5	8	4
Zinc	ppm	ASTM D5185m		0	0	0
Acid Number (AN)	mg KOH/g	ASTM D8045		0.757	0.413	0.399
Visc @ 40°C	cSt	ASTM D445	32	29.6	33.2	32.7
	Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Acid Number (AN)	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 Water % ppm Water ppm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Magnesium ppm Magnesium ppm Magnesium ppm Calcium ppm Phosphorus ppm Phosphorus Zinc ppm Acid Number (AN) mg KOH/g	Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Water % ASTM D5185m Water % ASTM D6304 ppm Water ppm ASTM D6304 Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Appearance scalar *Visual Emulsified Water scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Manganese ppm ASTM D5185m Calcium ppm ASTM D5185m Phosphorus ppm ASTM D5185m Phosphorus ppm ASTM D5185m Zinc ppm ASTM D5185m Acid Number (AN) mg KOH/g ASTM D8045	Nickel ppm ASTM D5185m >20 Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m >20 Copper ppm ASTM D5185m >20 Tin ppm ASTM D5185m >20 Tin ppm ASTM D5185m >20 Vanadium ppm ASTM D5185m NONE Silicon ppm ASTM D5185m >15 Potassium ppm ASTM D5185m >20 Water % ASTM D6304 >0.05 ppm Water ppm ASTM D6304 >500 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Codor scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Boron ppm ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Magnesium ppm ASTM D5185m Phosphorus ppm ASTM D5185m Acid Number (AN) mg KOH/g ASTM D8045	Nickel ppm ASTM D5185m >20 <1 Titanium ppm ASTM D5185m 0 <1	Nickel ppm ASTM D5185m >20 <1 0 Titanium ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m <1







Laboratory Sample No.

Lab Number : 06189346 Unique Number : 11046098 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0029080 Received : 23 May 2024 **Tested** : 29 May 2024

Diagnosed : 29 May 2024 - Jonathan Hester

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)

ENERGY TRANSFER - TOLEDO

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