



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area

[24175]

Machine Id

22-129

Component

Transmission (Manual)

Fluid

KENDALL SHP SYNTHETIC TRANSOIL 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0895518	WC0842910	WC0794742
Sample Date		Client Info		25 Mar 2024	19 Sep 2023	17 Mar 2023
Machine Age	kms	Client Info		57875	38879	0
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	122	107	76
Chromium	ppm	ASTM D5185(m)	>5	1	1	1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>7	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	2	3	2
Lead	ppm	ASTM D5185(m)	>45	0	0	0
Copper	ppm	ASTM D5185(m)	>225	16	15	10
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

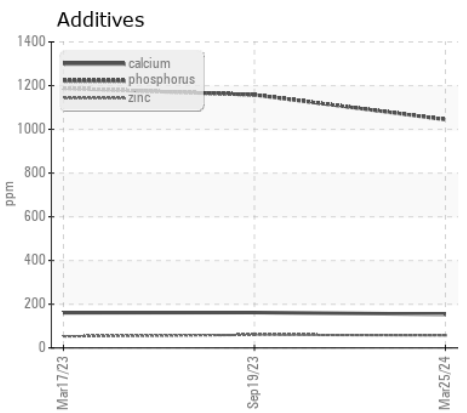
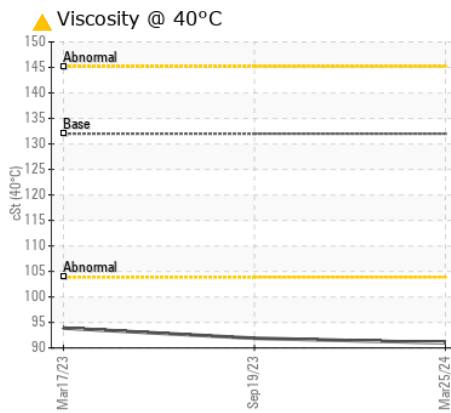
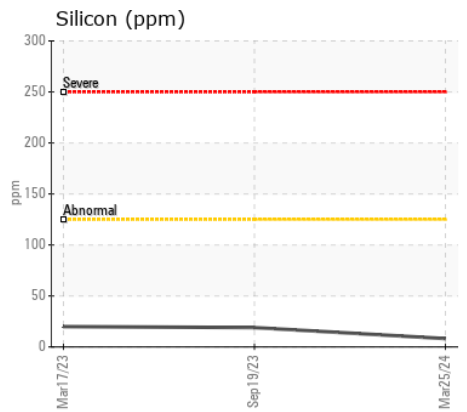
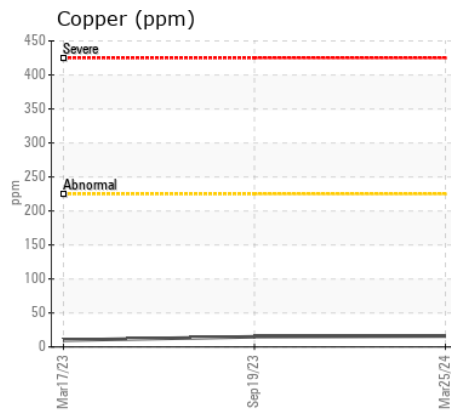
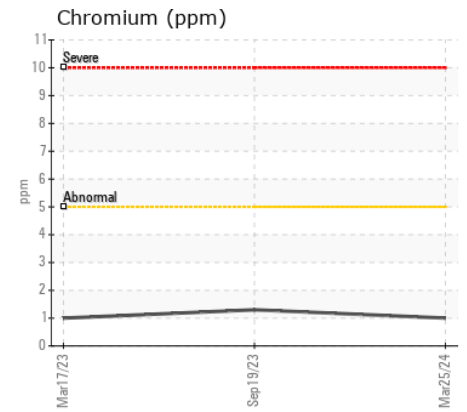
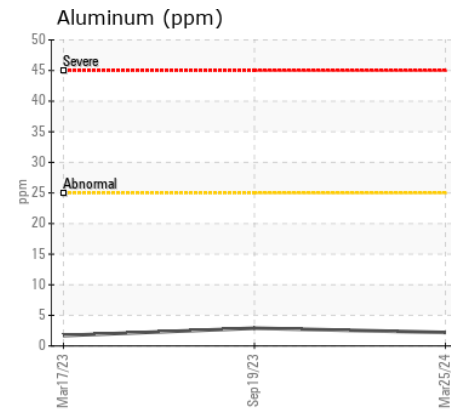
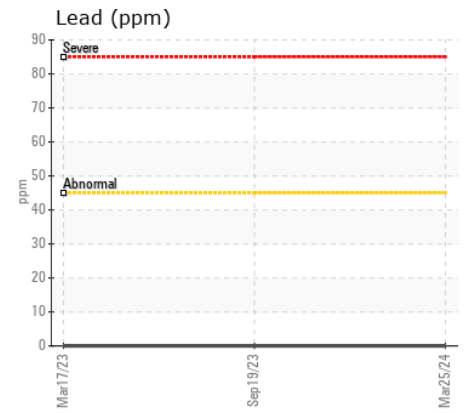
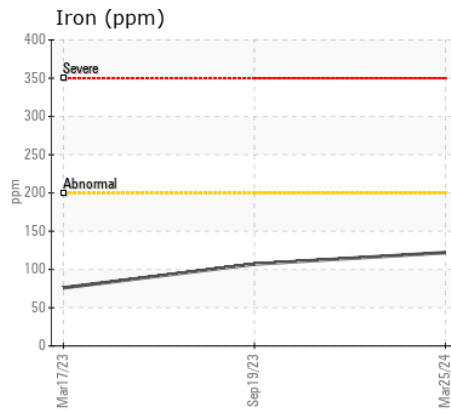
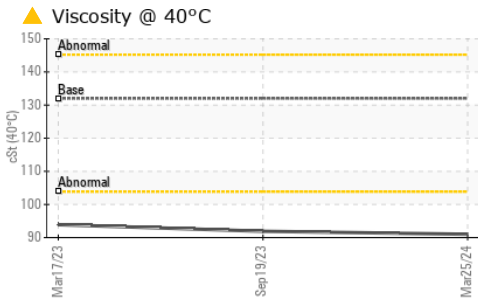
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	8	19	20
Potassium	ppm	ASTM D5185(m)	>20	7	6	6
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

The viscosity of the oil is low indicating either Viscosity Index(VI) Improvers shearing, or the addition of a lighter grade oil. The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		57	59	60
Boron	ppm	ASTM D5185(m)		217	213	229
Barium	ppm	ASTM D5185(m)		5	5	5
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		11	12	10
Magnesium	ppm	ASTM D5185(m)		7	7	5
Calcium	ppm	ASTM D5185(m)		154	162	161
Phosphorus	ppm	ASTM D5185(m)		1045	1158	1188
Zinc	ppm	ASTM D5185(m)		58	60	53
Sulfur	ppm	ASTM D5185(m)		621	684	666
Visc @ 40°C	cSt	ASTM D7279(m)	132	▲ 91.0	91.9	93.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0895518 **Received** : 28 Mar 2024
Lab Number : 02625351 **Tested** : 28 Mar 2024
Unique Number : 5750470 **Diagnosed** : 01 Apr 2024 - Kevin Marson
Test Package : MOB 1

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 DUNDAS, ON
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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.