



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SPARTAN 4020
Component
Front Transmission (Auto)
Fluid
SHELL SPIRAX S6 ATF (23 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

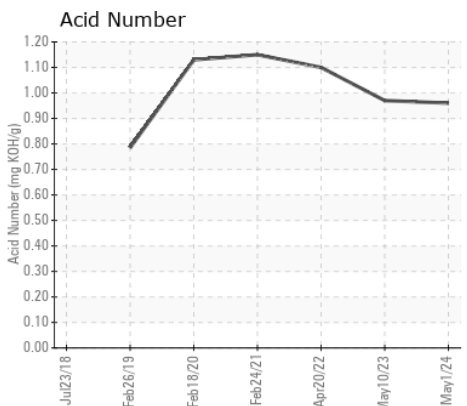
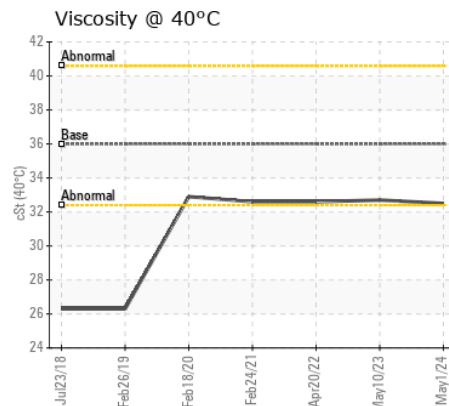
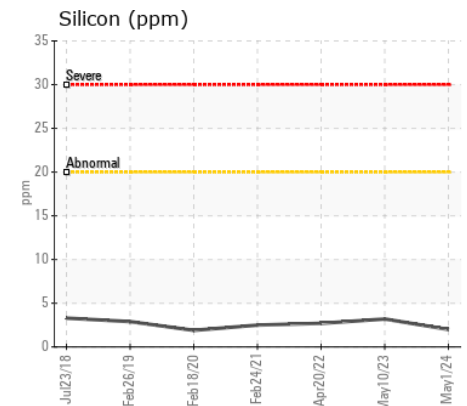
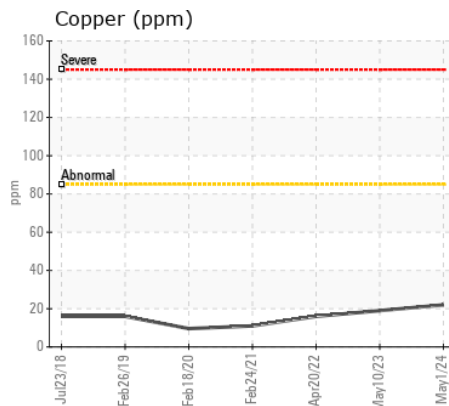
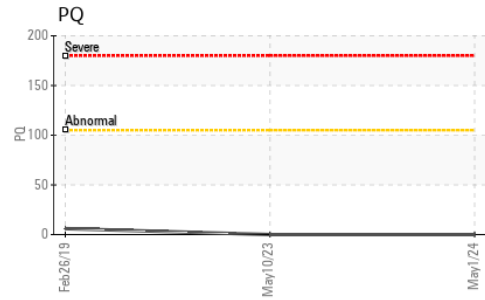
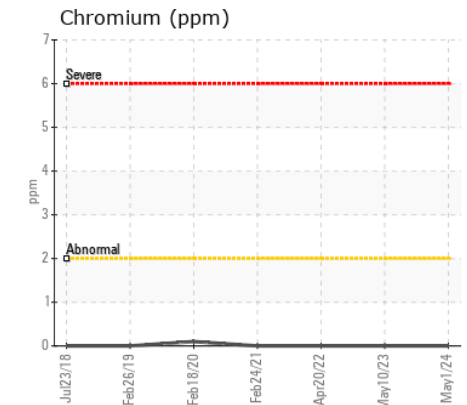
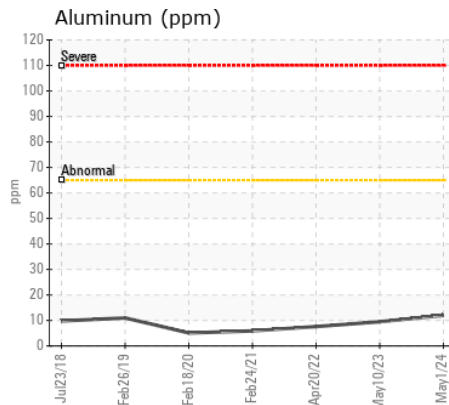
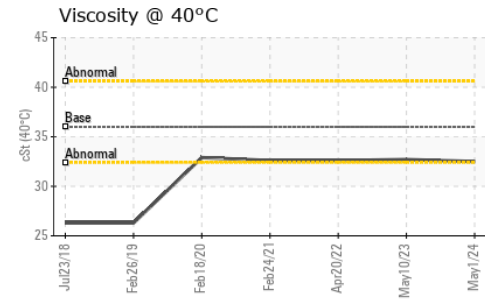
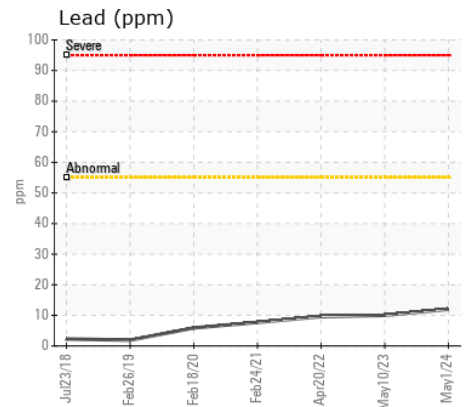
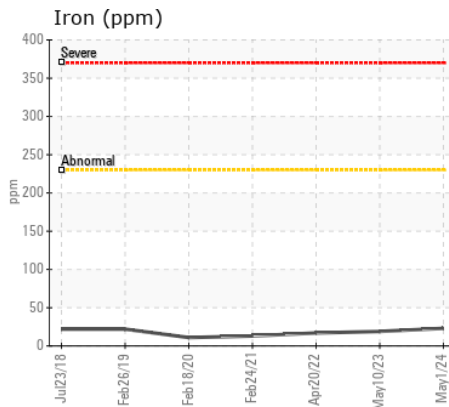
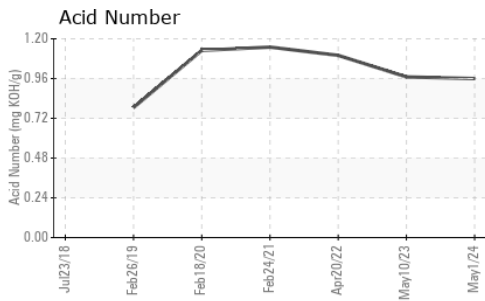
CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0895861	WC0777343	WC0702352
Sample Date		Client Info		01 May 2024	10 May 2023	20 Apr 2022
Machine Age	hrs	Client Info		10791	10202	193188
Oil Age	hrs	Client Info		2589	2000	15000
Filter Age	hrs	Client Info		2589	2000	15000
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184*	>105	0	0	---
Iron	ppm	ASTM D5185(m)	>230	23	19	17
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	12	10	8
Lead	ppm	ASTM D5185(m)	>55	12	10	10
Copper	ppm	ASTM D5185(m)	>85	22	19	16
Tin	ppm	ASTM D5185(m)	>5	1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	1	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	VLITE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		4	4	4
Boron	ppm	ASTM D5185(m)		105	105	112
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		1	1	<1
Calcium	ppm	ASTM D5185(m)		56	52	50
Phosphorus	ppm	ASTM D5185(m)		260	286	266
Zinc	ppm	ASTM D5185(m)		18	15	14
Sulfur	ppm	ASTM D5185(m)		549	578	560
Acid Number (AN)	mg KOH/g	ASTM D974*		0.96	0.97	1.10
Visc @ 40°C	cSt	ASTM D7279(m)	36	32.5	32.7	32.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0895861 **Received** : 17 May 2024
Lab Number : 02636384 **Tested** : 21 May 2024
Unique Number : 5785546 **Diagnosed** : 21 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ)

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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.