



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
5023
Component
Left Final Drive
Fluid
SHELL SPIRAX S4 CX 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210628	JR0138059	JR0120399
Sample Date		Client Info		14 Mar 2024	16 Aug 2022	21 Feb 2022
Machine Age	hrs	Client Info		12801	10600	9681
Oil Age	hrs	Client Info		3000	0	0
Filter Age	hrs	Client Info		3000	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>500	21	17	30
Iron	ppm	ASTM D5185m	>800	38	28	40
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>15	1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	5	3	3
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	<1	0	0
Tin	ppm	ASTM D5185m	>8	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

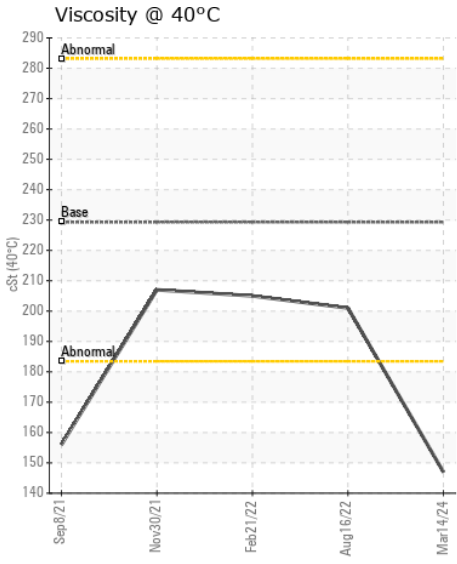
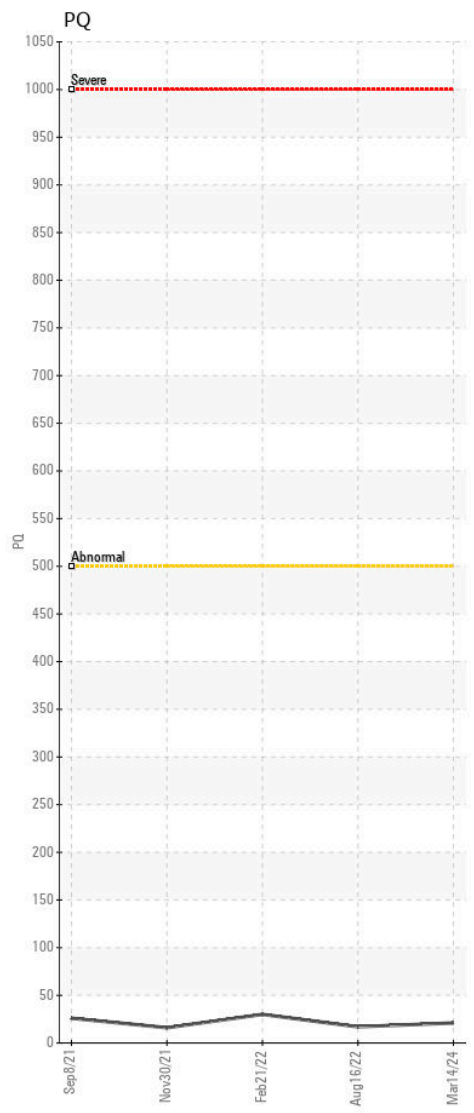
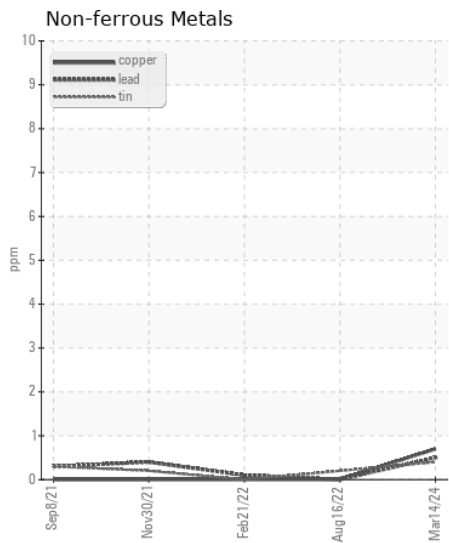
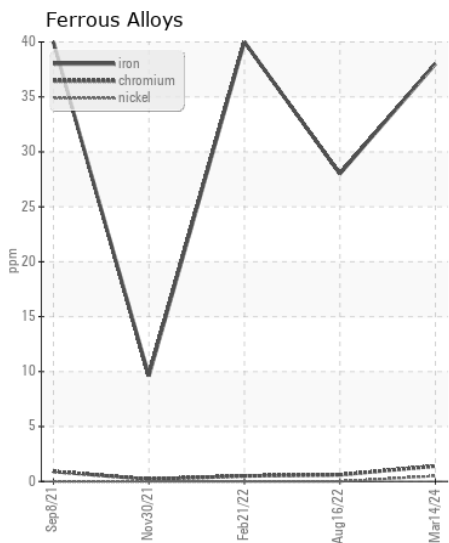
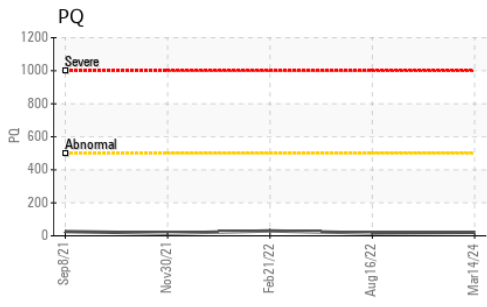
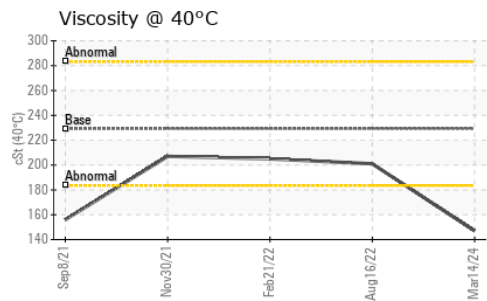
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	19	14	17
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	0	0
Boron	ppm	ASTM D5185m		4	2	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		8	<1	<1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		41	17	15
Calcium	ppm	ASTM D5185m	4200	2888	3053	3365
Phosphorus	ppm	ASTM D5185m		944	1016	1123
Zinc	ppm	ASTM D5185m	1080	1198	1227	1440
Sulfur	ppm	ASTM D5185m		7501	7024	6265
Visc @ 40°C	cSt	ASTM D445	229.3	147	201	205



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210628 **Received** : 20 Mar 2024
Lab Number : 06123956 **Tested** : 21 Mar 2024
Unique Number : 10938107 **Diagnosed** : 21 Mar 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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)