

Machine Id
MERCURISER PORT POD

Component
Port Gearbox
Fluid
MERCURY HIGH PERFORMANCE SAE90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0069564	PC0075141	PC0039546
Sample Date	Client Info			05 Mar 2024	12 Dec 2023	16 Mar 2022
Machine Age	yrs	Client Info		0	0	1001
Oil Age	yrs	Client Info		1	0	0
Oil Changed	Client Info			Changed	N/A	Changed
Sample Status				NORMAL	SEVERE	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	NEG

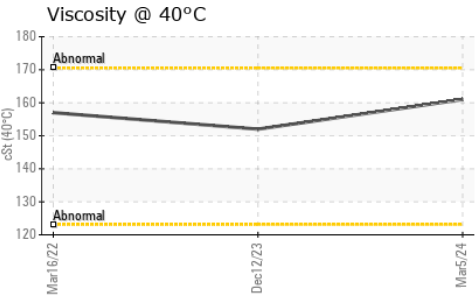
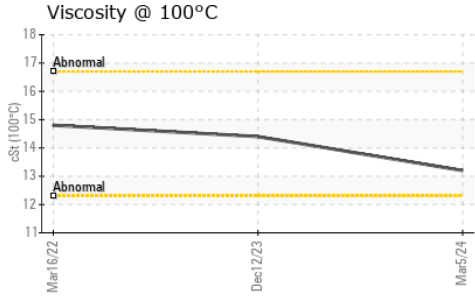
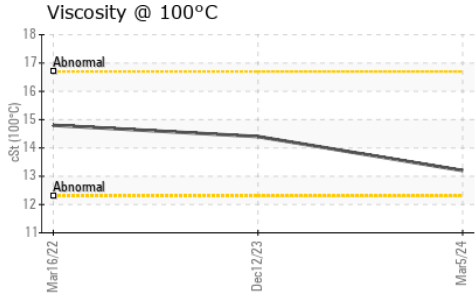
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		2	---	0
Iron	ppm	ASTM D5185(m)	>200	19	161	139
Chromium	ppm	ASTM D5185(m)	>10	<1	2	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	1	3
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	1	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	5	<1
Lead	ppm	ASTM D5185(m)	>50	2	<1	1
Copper	ppm	ASTM D5185(m)	>200	5	12	8
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Antimony	ppm	ASTM D5185(m)	>5	1875	47	1983
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	27	2
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		26	298	27
Manganese	ppm	ASTM D5185(m)		0	3	1
Magnesium	ppm	ASTM D5185(m)		<1	17	0
Calcium	ppm	ASTM D5185(m)		120	7431	12
Phosphorus	ppm	ASTM D5185(m)		223	688	179
Zinc	ppm	ASTM D5185(m)		6	15	6
Sulfur	ppm	ASTM D5185(m)		5703	10993	6219
Lithium	ppm	ASTM D5185(m)		<1	<1	0

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<1	11	<1
Sodium	ppm	ASTM D5185(m)		<1	5	0
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.50	---	0.88

OIL ANALYSIS REPORT

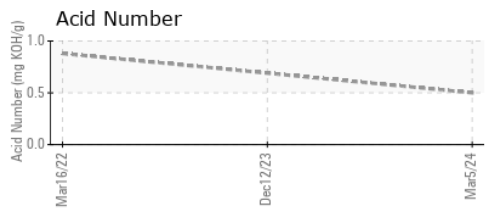
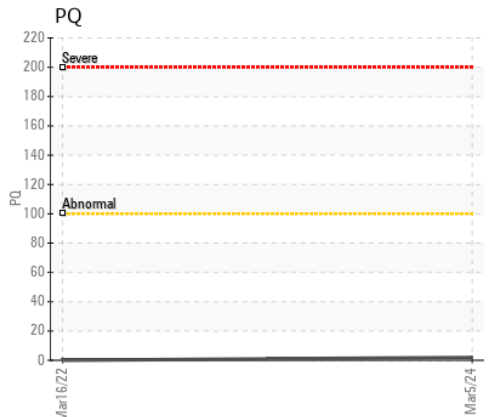
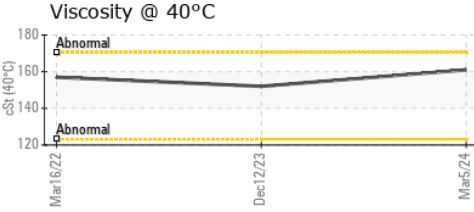
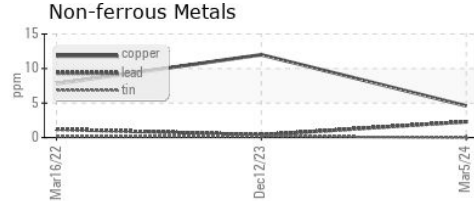
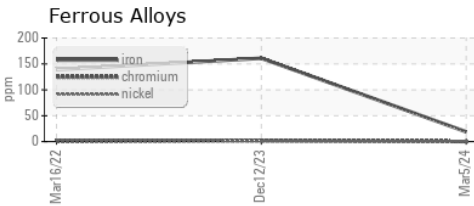


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%
Free Water	scalar	Visual*		NEG	NEG

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	161	152	157
Visc @ 100°C	cSt	ASTM D7279(m)	13.2	14.4	14.8
Viscosity Index (VI)	Scale	ASTM D2270*	67	91	92

PARAMETER	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0069564 **Received** : 07 Mar 2024
Lab Number : 02620676 **Tested** : 08 Mar 2024
Unique Number : 5737786 **Diagnosed** : 08 Mar 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KV100, VI)

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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.