



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
MANROLAND 1025143 FOLDER (S/N PFI-5SMT)

Component
Gearbox

Fluid
Walter Zeph ZX-60-Syntex (145 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

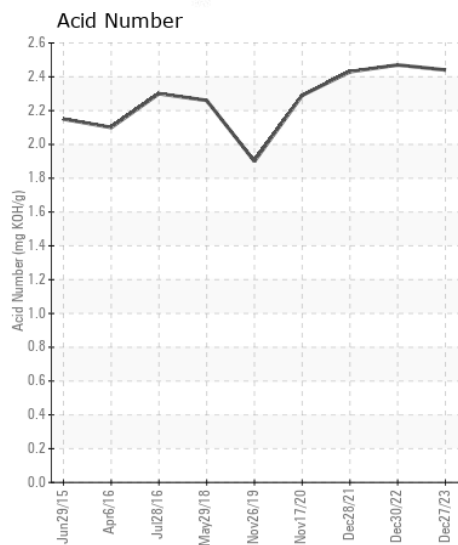
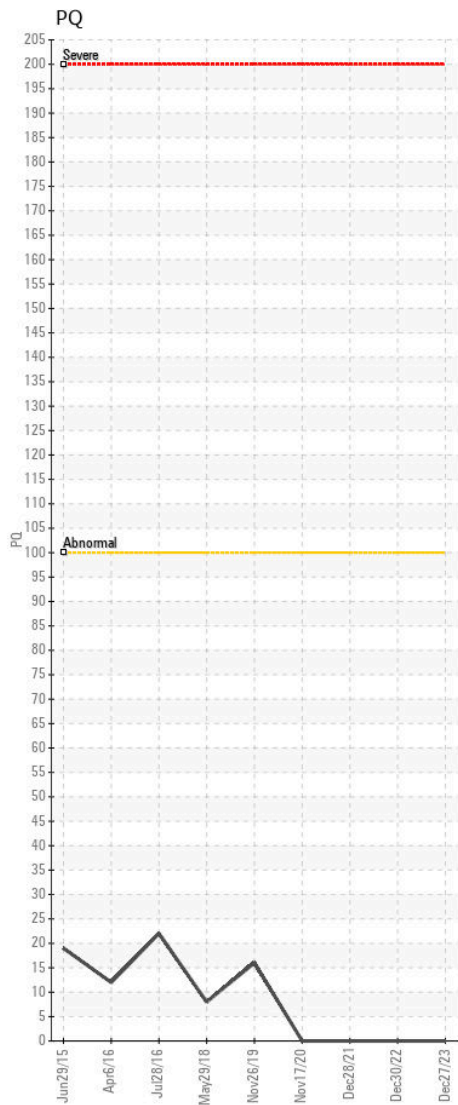
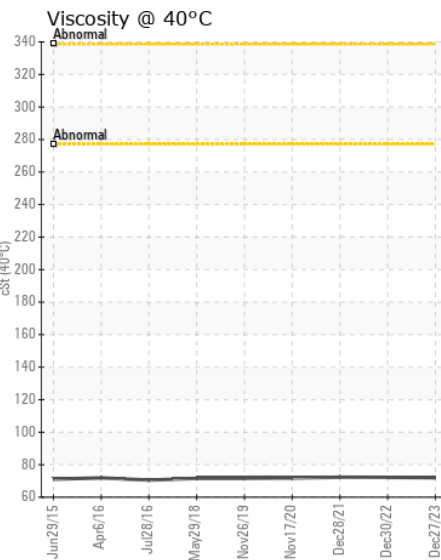
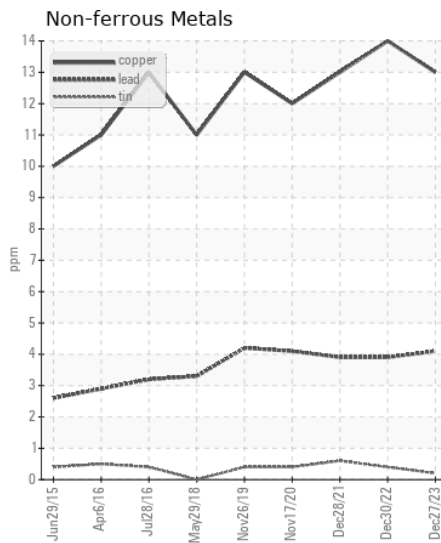
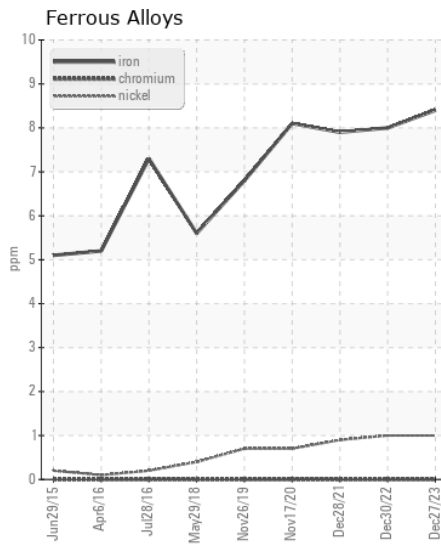
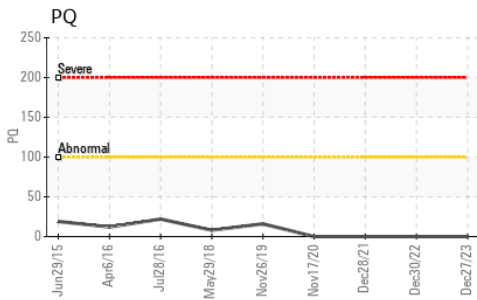
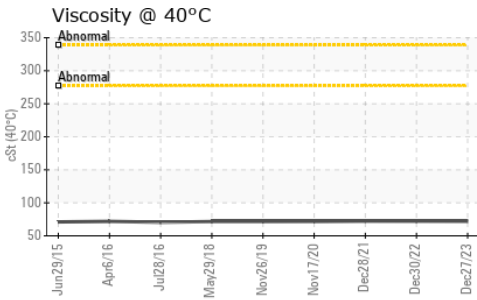
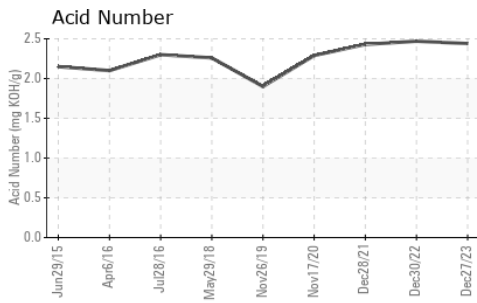
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0776676	WC0651217	WC0651213
Sample Date		Client Info		27 Dec 2023	30 Dec 2022	28 Dec 2021
Machine Age	hrs	Client Info		18480	18480	18138
Oil Age	hrs	Client Info		18983	18480	18138
Filter Age	hrs	Client Info		241	617	275
Oil Changed		Client Info		Not Changd	Not Changd	Filtered
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>200	8	8	8
Chromium	ppm	ASTM D5185(m)	>15	0	0	0
Nickel	ppm	ASTM D5185(m)	>15	1	1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	<1	<1
Lead	ppm	ASTM D5185(m)	>100	4	4	4
Copper	ppm	ASTM D5185(m)	>200	13	14	13
Tin	ppm	ASTM D5185(m)	>25	<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)	>50	26	26	26
Potassium	ppm	ASTM D5185(m)	>20	9	8	8
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
Sodium	ppm	ASTM D5185(m)		2	3	2
Boron	ppm	ASTM D5185(m)		1	2	2
Barium	ppm	ASTM D5185(m)		4	4	4
Molybdenum	ppm	ASTM D5185(m)		5	5	6
Manganese	ppm	ASTM D5185(m)		2	3	3
Magnesium	ppm	ASTM D5185(m)		5	4	5
Calcium	ppm	ASTM D5185(m)		11	9	9
Phosphorus	ppm	ASTM D5185(m)		1391	1518	1465
Zinc	ppm	ASTM D5185(m)		1021	1020	941
Sulfur	ppm	ASTM D5185(m)		20944	23402	21762
Acid Number (AN)	mg KOH/g	ASTM D974*		2.44	2.47	2.43
Visc @ 40°C	cSt	ASTM D7279(m)		72.0	72.2	72.3



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0776676
Lab Number : 02606095
Unique Number : 5707181
Test Package : IND 2 (Additional Tests: TAN Man)

Received : 02 Jan 2024
Tested : 04 Jan 2024
Diagnosed : 04 Jan 2024 - Wes Davis

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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.