



PERFORMANCE
UNDER
PRESSURE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area

STL64.1

Machine Id

STL 64.1 SCRAP CHOPPER M/S (S/N 16-5130-0235)

Component

Gearbox

Fluid

GEAR OIL ISO 150 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

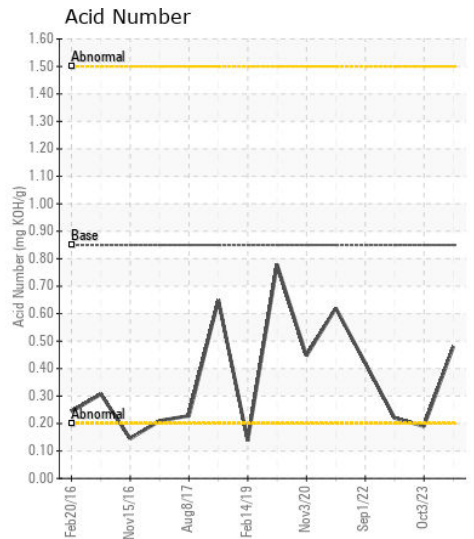
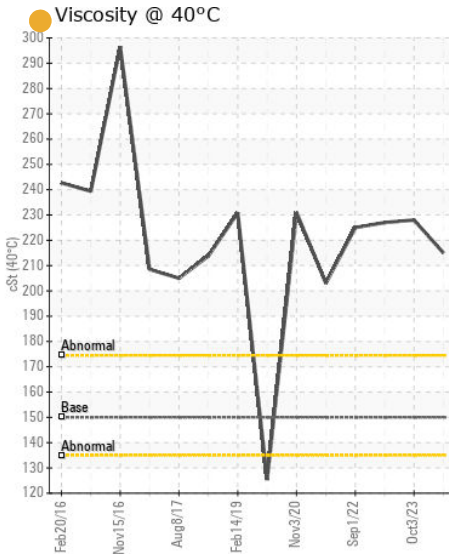
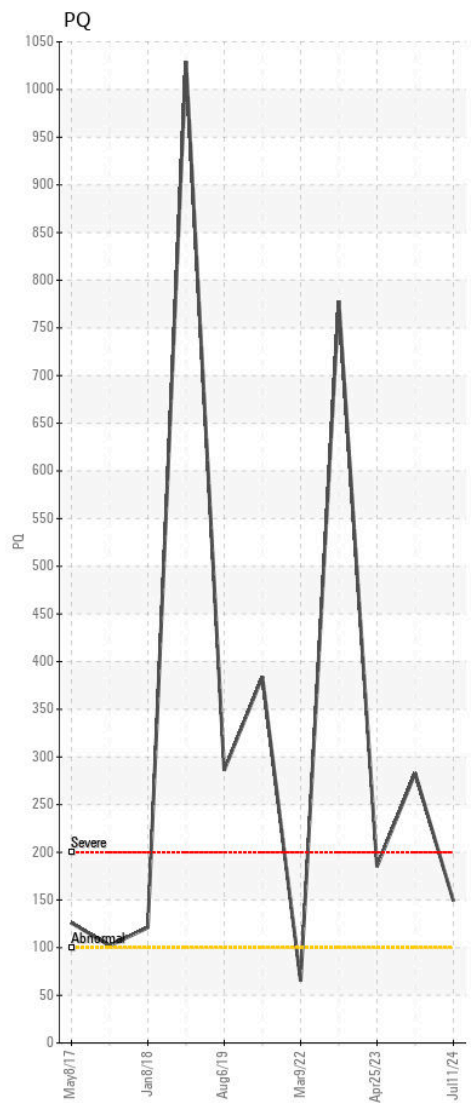
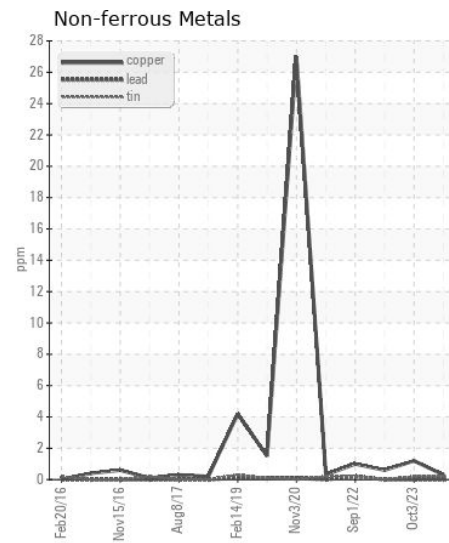
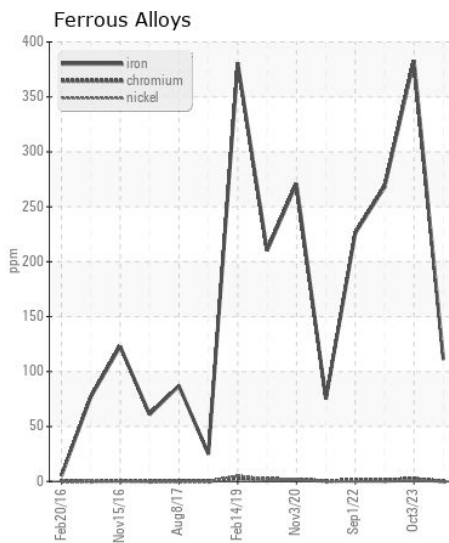
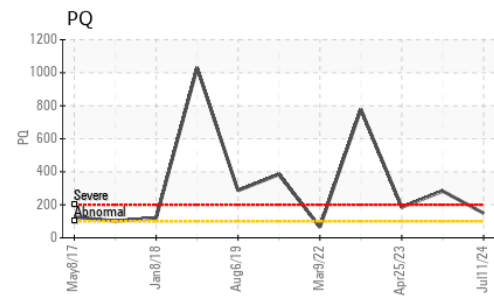
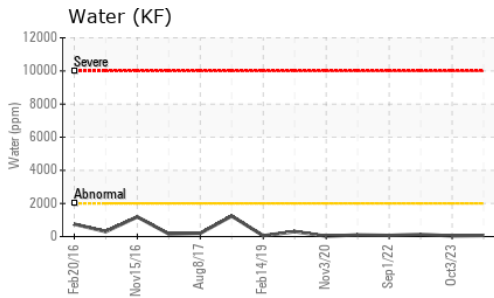
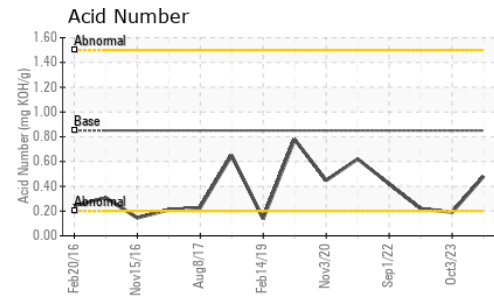
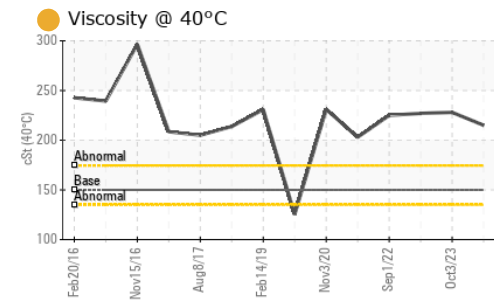
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0044003	RP0038612	RP0031253
Sample Date		Client Info		11 Jul 2024	03 Oct 2023	25 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
PQ		ASTM D8184		149	283	185
Iron	ppm	ASTM D5185m	>200	111	▲ 383	▲ 268
Chromium	ppm	ASTM D5185m	>15	0	2	1
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	3	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	6	5
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	1	<1
Tin	ppm	ASTM D5185m	>25	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	9	20	17
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water	%	ASTM D6304	>0.2	0.006	0.003	0.013
ppm Water	ppm	ASTM D6304	>2000	64	38.1	130.5
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	4	<1
Boron	ppm	ASTM D5185m	50	20	0	0
Barium	ppm	ASTM D5185m	15	403	0	0
Molybdenum	ppm	ASTM D5185m	15	2	<1	<1
Manganese	ppm	ASTM D5185m		<1	3	2
Magnesium	ppm	ASTM D5185m	50	2	3	7
Calcium	ppm	ASTM D5185m	50	41	8	12
Phosphorus	ppm	ASTM D5185m	350	202	108	106
Zinc	ppm	ASTM D5185m	100	28	0	10
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.48	0.19	0.22
Visc @ 40°C	cSt	ASTM D445	150	215	228	227



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0044003 **Received** : 12 Jul 2024
Lab Number : 06235050 **Tested** : 15 Jul 2024
Unique Number : 11123884 **Diagnosed** : 15 Jul 2024 - Don Baldridge
Test Package : IND 2 (Additional Tests: PQ)

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Certificate L2367
 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)