

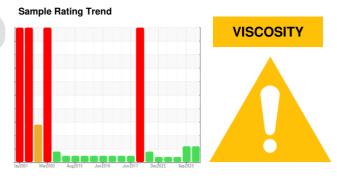
**OIL ANALYSIS REPORT** 

Area 11 Machine Id

# 11-0030-020-010 SANDER #1 GEAR BOX#1

11 Gearbox

**ESSO CYLESSTIC TK 680 (1 LTR)** 



## DIAGNOSIS

#### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as ESSO CYLESSTIC TK 680, however, a fluid match indicates that this fluid is ISO 320 Gear Oil. Please confirm the oil type and grade on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

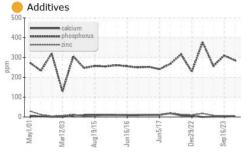
### Fluid Condition

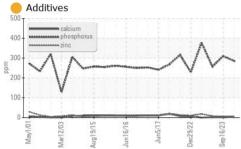
Viscosity of sample indicates oil is within ISO 320 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

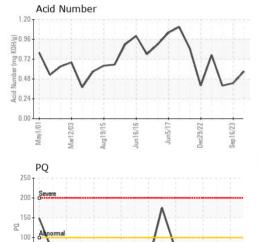
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0857999	WC0820662	WC0820652
Sample Date		Client Info		13 Mar 2024	16 Sep 2023	15 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	V	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*		9	0	2
Iron	ppm	ASTM D5185(m)	>200	33	22	47
Chromium	ppm	ASTM D5185(m)	>15	0	0	<1
Nickel	ppm	ASTM D5185(m)	>15	0	<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	0	<1	1
Copper	ppm	ASTM D5185(m)	>200	25	17	37
Tin	ppm	ASTM D5185(m)	>25	2	1	4
Antimony	ppm	ASTM D5185(m)	>5	0	0	<1
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)		3	2	2
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		<1	<1	1
Calcium	ppm	ASTM D5185(m)		4	2	2
Phosphorus	ppm	ASTM D5185(m)		<b>286</b>	310	257
Zinc	ppm	ASTM D5185(m)		5	6	8
Sulfur	ppm	ASTM D5185(m)		7345	8398	10112
Lithium	ppm	ASTM D5185(m)		<1	<1	2
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	3	2	3
Sodium	ppm	ASTM D5185(m)		3	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.57	0.43	0.40



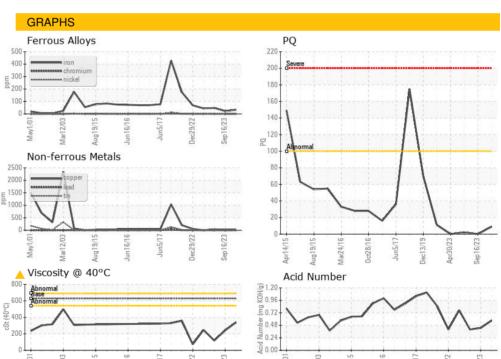
# OIL ANALYSIS REPORT











: 18 Apr 2024

: 19 Apr 2024

: 19 Apr 2024 - Kevin Marson



CALA ISO 17025:2017 Accredited

Laboratory

Laboratory

Sample No. Lab Number : 02630006 Unique Number : 5763138

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0857999

**Bottom** 

Diagnosed Test Package : IND 2 ( Additional Tests: TAN Man )

Received

**Tested** 

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. Roseburg Pembroke MDF Inc.

777 Fibreboard Drive Pembroke, ON **CA K8A 6W5** Contact: Dan Havis danielh@rfpco.com T: (613)732-3939

F: (613)732-2869