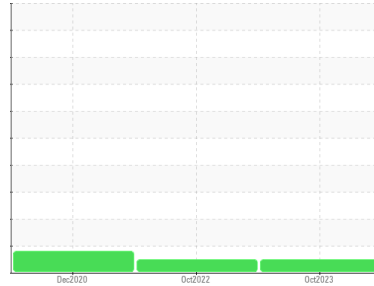




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
PLANT 5
 Machine Id
BAY 18 SLT

Component
Main Hydraulic System

Fluid
COMMERCIAL OIL LUBRIKO AW 46 (1000 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

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		WC0754619	WC117953	WC
Sample Date	Client Info		01 Oct 2023	18 Oct 2022	28 Dec 2020
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	N/A	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>20	<1	2	<1
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	0	0	<1
Lead	ppm	ASTM D5185(m)	>10	<1	0	<1
Copper	ppm	ASTM D5185(m)	>75	6	6	7
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
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)		1	0	2
Barium	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		3	<1	9
Calcium	ppm	ASTM D5185(m)		48	30	80
Phosphorus	ppm	ASTM D5185(m)		320	345	336
Zinc	ppm	ASTM D5185(m)		407	382	439
Sulfur	ppm	ASTM D5185(m)		2313	2459	2603
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	<1	0	1
Sodium	ppm	ASTM D5185(m)		1	<1	2
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1

FLUID CLEANLINESS

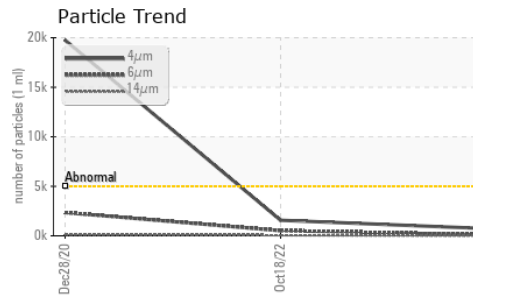
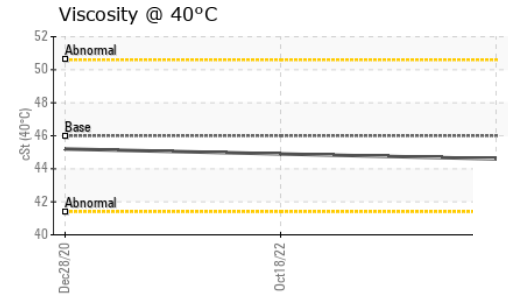
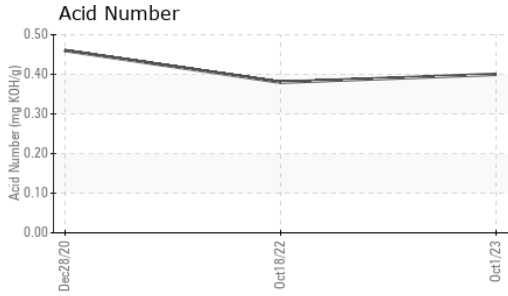
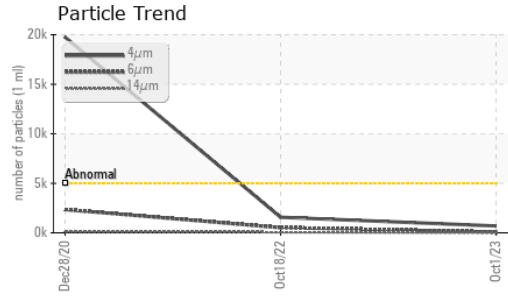
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	690	1571	▲ 19747
Particles >6µm	ASTM D7647	>1300	76	523	▲ 2351
Particles >14µm	ASTM D7647	>160	7	54	118
Particles >21µm	ASTM D7647	>40	3	18	53
Particles >38µm	ASTM D7647	>10	1	1	8
Particles >71µm	ASTM D7647	>3	1	0	1
Oil Cleanliness	ISO 4406 (c)	>19/17/14	17/13/10	18/16/13	▲ 21/18/14

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.40	0.38	0.46



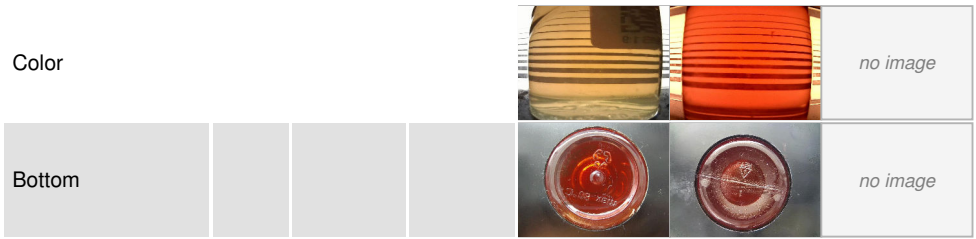
OIL ANALYSIS REPORT



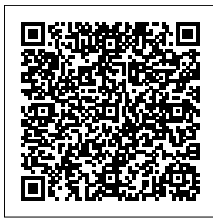
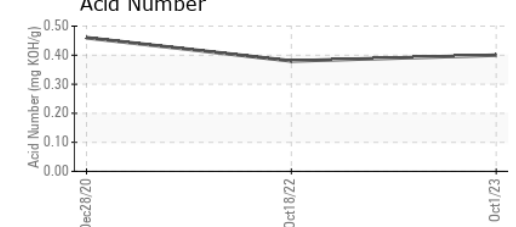
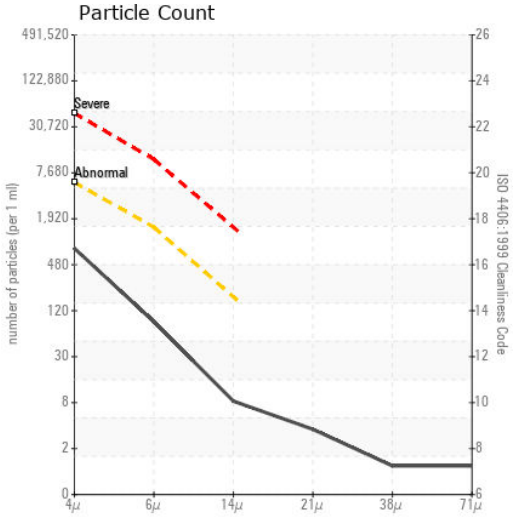
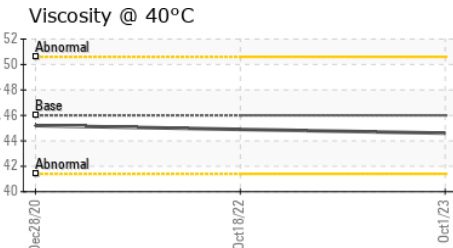
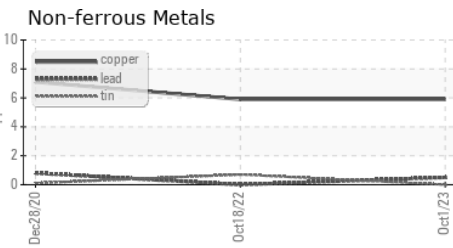
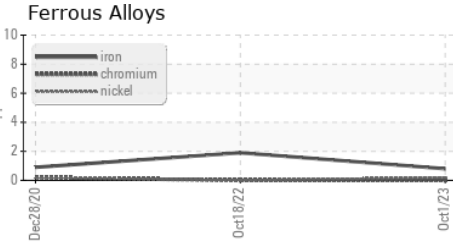
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	VLITE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	.2%
Free Water	scalar	Visual*		NEG	.2%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	44.6	44.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0754619 **Received** : 18 Oct 2023
Lab Number : 02590021 **Diagnosed** : 19 Oct 2023
Unique Number : 5659087 **Diagnostician** : Wes Davis
Test Package : IND 2

TAYLOR STEEL
 484 ARVIN AVE
 STONEY CREEK, ON
 CA L8E 2M9
 Contact: George Campanaro
 gcampanaro@taylorsteel.com
 T: (905)662-4925
 F: (905)662-4928

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.