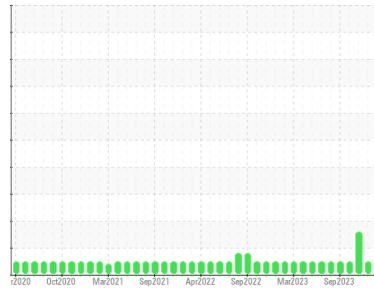




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

Direct Strip Mill/Caster

Machine Id
#3 COMPRESSOR (DSC140) (S/N 100029216)

Component

Compressor

Fluid

COMPRESSOR OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. 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		WC0931241	WC0837385	WC0837574
Sample Date	Client Info		11 Jun 2024	16 Apr 2024	18 Jan 2024
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			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	<1	<1
Chromium	ppm	ASTM D5185(m)	>10	0	0
Nickel	ppm	ASTM D5185(m)		0	0
Titanium	ppm	ASTM D5185(m)		0	0
Silver	ppm	ASTM D5185(m)		0	0
Aluminum	ppm	ASTM D5185(m)	>25	0	0
Lead	ppm	ASTM D5185(m)	>25	0	0
Copper	ppm	ASTM D5185(m)	>50	3	2
Tin	ppm	ASTM D5185(m)	>15	1	1
Antimony	ppm	ASTM D5185(m)		0	0
Vanadium	ppm	ASTM D5185(m)		0	0
Beryllium	ppm	ASTM D5185(m)		0	0
Cadmium	ppm	ASTM D5185(m)		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	1	0
Barium	ppm	ASTM D5185(m)	5	42	33
Molybdenum	ppm	ASTM D5185(m)	5	0	0
Manganese	ppm	ASTM D5185(m)		0	0
Magnesium	ppm	ASTM D5185(m)	5	<1	<1
Calcium	ppm	ASTM D5185(m)	5	0	0
Phosphorus	ppm	ASTM D5185(m)	150	264	270
Zinc	ppm	ASTM D5185(m)	5	1	<1
Sulfur	ppm	ASTM D5185(m)	5000	113	111
Lithium	ppm	ASTM D5185(m)		<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	0	0
Sodium	ppm	ASTM D5185(m)		3	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0
Water	%	ASTM D6304*	>0.1	0.021	0.009
ppm Water	ppm	ASTM D6304*	>1000	214	96

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>640	92	118	▲ 1474
Particles >6µm	ASTM D7647	>160	24	41	▲ 502
Particles >14µm	ASTM D7647	>10	1	5	▲ 23
Particles >21µm	ASTM D7647	>3	0	2	5
Particles >38µm	ASTM D7647	>3	0	1	1
Particles >71µm	ASTM D7647	>3	0	1	0
Oil Cleanliness	ISO 4406 (c)	>16/14/10	14/12/7	14/13/10	▲ 18/16/12

