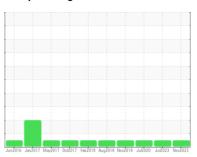


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id KAESER SFC 75ST 5342831 (S/N 1025)

Compressor

KAESER SIGMA (OEM) M-460 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Fluid Condition

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

		Jun2016 Jan2	017 May2017 Oct2017 Feb2	018 Aug2018 Nov2018 Jul2020 Jul2	023 Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA007954	KCPA003261	KCP10690
Sample Date		Client Info		07 Nov 2023	10 Jul 2023	12 Jul 2020
Machine Age	hrs	Client Info		56545	53681	27495
Oil Age	hrs	Client Info		0	0	12000
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	6	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	2	5	6
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	29	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	77	0	3
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	0	2
Zinc	ppm	ASTM D5185m	0	5	3	0
Sulfur	ppm	ASTM D5185m	23500	20656	26581	17218
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	0
Sodium	ppm	ASTM D5185m		19	0	0
Potassium	ppm	ASTM D5185m	>20	4	<1	0
Water	%	ASTM D6304	>0.05	0.010	0.010	0.004
ppm Water	ppm	ASTM D6304	>500	106.1	103.6	41.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		311	1222	871
Particles >6μm		ASTM D7647	>1300	106	428	269
Particles >14µm		ASTM D7647	>80	13	37	37
Particles >21µm		ASTM D7647	>20	4	8	12
Particles >38µm		ASTM D7647	>4	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	14/11	16/12	15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.47

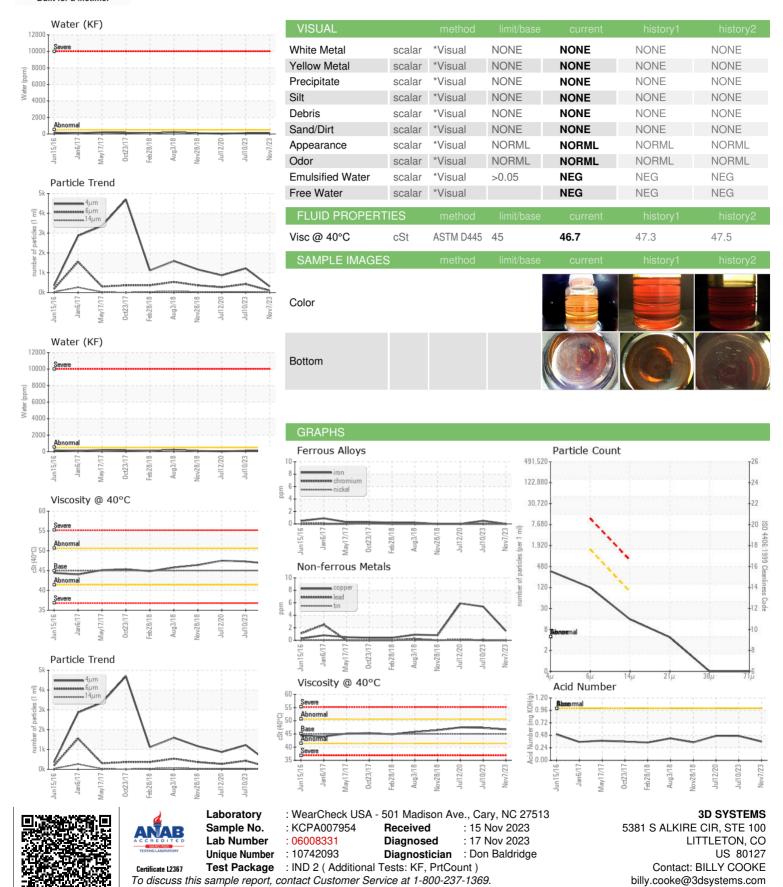
0.472

Report Id: 3DSLIT [WUSCAR] 06008331 (Generated: 11/17/2023 12:02:34) Rev: 1

Contact/Location: BILLY COOKE - 3DSLIT



OIL ANALYSIS REPORT



* - 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)

T: F: