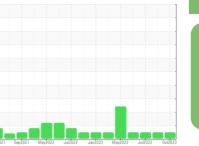


OIL ANALYSIS REPORT

Sample Rating Trend





NORMAL

Compressor Fluid NOT GIVEN (--- LTR)

DIAGNOSIS

Area C-4001B

C-4001B

Recommendation

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. The amount and size of particulates present in the system are acceptable.

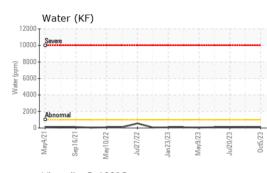
Fluid Condition

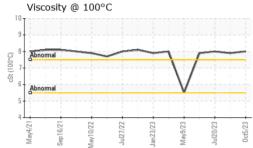
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

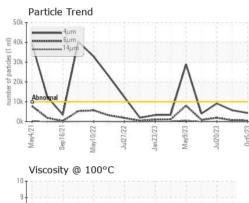
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000697	TO60000702	TO60000696
Sample Date		Client Info		05 Oct 2023	21 Sep 2023	20 Jul 2023
Machine Age	hrs	Client Info		16007	15756	15120
Oil Age	hrs	Client Info		16007	15756	15120
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	5	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	1	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m		11	11	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		2	3	2
Calcium	ppm	ASTM D5185m		2	2	<1
Phosphorus	ppm	ASTM D5185m		668	654	606
Zinc	ppm	ASTM D5185m		8	12	6
Sulfur	ppm	ASTM D5185m		627	654	1419
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	2
Sodium	ppm	ASTM D5185m		0	0	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
Water	%	ASTM D6304	>0.1	0.007	0.008	0.009
ppm Water	ppm	ASTM D6304	>1000	70.8	85.6	99.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	4352	5709	9142
Particles >6µm		ASTM D7647	>2500	550	726	1927
Particles >14µm		ASTM D7647	>320	18	18	114
Particles >21µm		ASTM D7647	>80	5	2	29
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/16/11	20/17/11	20/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.86	0.84	0.88



OIL ANALYSIS REPORT







cSt (100°C)

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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		45.8	47.6	45.7
Visc @ 100°C	cSt	ASTM D445		8	7.9	8
Viscosity Index (VI)	Scale	ASTM D2270		147	135	147
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom

