

OIL ANALYSIS REPORT

Sample Rating Trend



COMP 2 (S/N 83970)

Refrigeration Compressor Fluid 717 SC (7 GAL)

DIAGNOSIS

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.

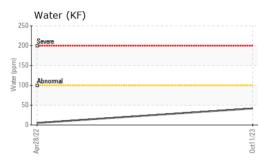
Fluid Condition

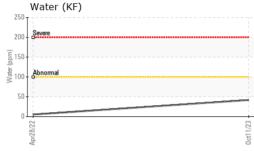
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0832863	WC0680023	
Sample Date		Client Info		11 Oct 2023	28 Apr 2022	
Machine Age	mths	Client Info		0	0	
Oil Age	mths	Client Info		0	15	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	2	4	
Chromium	ppm	ASTM D5185m	>2	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>3	0	<1	
Lead	ppm	ASTM D5185m	>2	0	<1	
Copper	ppm	ASTM D5185m	>8	<1	<1	
Tin	ppm	ASTM D5185m	>4	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m		0	6	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		7	38	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	<1	1	
Water	%	ASTM D6304	>0.01	0.004	0.001	
ppm Water	ppm	ASTM D6304	>100	41.7	5.2	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.014	0.07	

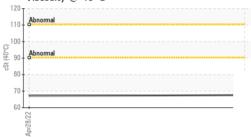


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VISUAL		metho	d limit/bas	e current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
		*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	
Free Water	scalar			NEG	NEG	
FLUID PROPE	RTIES	metho	d limit/bas	e current	historv1	history2
Visc @ 40°C	cSt			67.6	67.1	
SAMPLE IMAG	ES	metho	d limit/bas	e current	history1	history2
Color						no image
Bottom						no image
GRAPHS						i i i i i i i i i i i i i i i i i i i
Non-ferrous Me	tals		0ct11/2			
2	С		0ct11/23		er	
5100 90 Abnormal 80			mg KO	0.08 0.06 0.04		
2 90 + 0			mber (0.04		
80-			d Nur	0.02		
80				1.1		
70				J.UU		
70-			0ct11/23	Apr28/22		
	Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAC Color Bottom GRAPHS Ferrous Alloys	Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar FLUID PROPERTIES Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Non-ferrous Metals	Precipitate scalar *Visual Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual FLUID PROPERTIES metho Visc @ 40°C cSt ASTM D4 SAMPLE IMAGES metho Color Bottom GRAPHS Ferrous Alloys Mon-ferrous Metals Mon-ferrous Metals	Precipitate scalar *Visual NONE Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Odor scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual >0.01 Free Water scalar *Visual >0.01 Free Water scalar *Visual SCO Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method limit/bas Color Bottom GRAPHS Ferrous Alloys Mon-ferrous Metals Uscosity @ 40°C	Precipitate scalar 'Visual NONE NONE Silt scalar 'Visual NONE NONE Debris scalar 'Visual NONE NONE Sand/Dirt scalar 'Visual NONE NONE Appearance scalar 'Visual NORML NORML Odor scalar 'Visual NORML NORML Odor scalar 'Visual NORML NORML Emulsified Water scalar 'Visual >0.01 NEG Free Water scalar 'Visual >0.01 NEG Free Water scalar 'Visual NORML NORML Visc @ 40°C cSt ASTM D445 67.6 SAMPLE IMAGES method imit/base current Visc @ 40°C cSt ASTM D445 67.6 SAMPLE IMAGES method imit/base current Color Color GRAPHS Ferrous Alloys	Precipitate scalar *Visual NONE NONE NONE NONE Sitt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML MORML NORML NORML MORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORM

To discuss this sample 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)

Certificate L2367

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