

OIL ANALYSIS REPORT

Sample Rating Trend



STORAGE TANK

New (Unused) Oil Fluid NOT GIVEN (--- 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. The amount and size of particulates present in the system are acceptable.

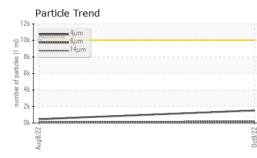
Fluid Condition

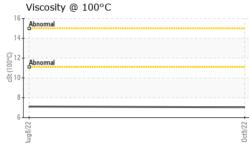
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

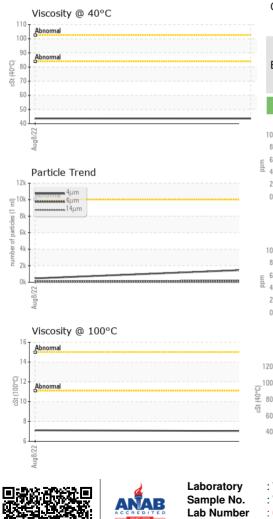
			Aug2022	Oct2022		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0743431	WC0591824	
Sample Date		Client Info		09 Oct 2022	08 Aug 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0	0	
Chromium	ppm	ASTM D5185m	>5	<1	0	
Nickel	ppm	ASTM D5185m	>5	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>5	<1	<1	
Aluminum	ppm	ASTM D5185m	>5	<1	0	
Lead	ppm	ASTM D5185m	>5	0	<1	
Copper	ppm	ASTM D5185m	>5	2	1	
Tin	ppm	ASTM D5185m	>5	<1	1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		1	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		0	<1	
Calcium	ppm	ASTM D5185m		35	39	
Phosphorus	ppm	ASTM D5185m		287	301	
Zinc	ppm	ASTM D5185m		376	370	
Sulfur	ppm	ASTM D5185m		2016	2257	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	10	9	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm		>20	0	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1514	466	
Particles >6µm		ASTM D7647	>1300	170	82	
Particles >14µm		ASTM D7647	>160	7	14	
Particles >21µm		ASTM D7647		2	3	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/17/14		16/14/11	
						histowy
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.24	



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	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	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
0ct9/22	Appearance	scalar	*Visual	NORML	NORML	NORML	
0	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual		NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPERT	IFS	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	111100030	43.63	43.68	
	Visc @ 40 C Visc @ 100°C	cSt	ASTM D445 ASTM D445		7.04	7.11	
	Viscosity Index (VI)	Scale	ASTM D2270		120	122	
	SAMPLE IMAGES	5	method	limit/base	current	history1	history2
0c8/22	Color						no image
	Bottom						no image
	GRAPHS						
	Ferrous Alloys				Particle Count		
	10 8 iron			491,520	, I		T ²
F	chromium			122,880	Severe		-2
	4			30,720			-2
	2				Abnormal		
	52			2 (E 7,680			-2
	Aug8/22			[per 1 m]]			-11
	Non-ferrous Metal	c		·편 480			-11
	¹⁰ T	5		of ba		×	
	8 - copper			ag 120			-1
E Contraction of the Contraction	6 - tin			2 30			+1
	2						-10
	0						
	Aug 8/2'			0ct9/22	2+		-8
				- -	44 64	14µ 21µ	38µ 71µ
	Viscosity @ 40°C				Acid Number	pe 2 1 pe	50µ /1µ
	Abnormal			(^B H0.30			
() ()	Abnormal			0.0.3 0.10 0.00 0.00 0.00 0.00 0.00 0.00			
55	80				2		
U	60 -				3		
	40 2			90.0 Acid			
	Aug8/22			0ct9/22	Aug 8/22		
Sample No. Lab Number Unique Number	: 05662685 : 10167254	Received Diagnos Diagnos	d : 10 (ed : 12 (tician : Jon	Oct 2022 Oct 2022 athan Hester) SE HWY 2 ACKAMAS, C US 970

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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