

OIL ANALYS

Area RX C RXC AGITATOR A106 (S/N 76 Gearbox

Fluid SCHAEFFER 209 MOLY UNIVERSAL GEARLUB

DIAGNOSIS

Recommendation

Filter the oil if possible through B6=75 guality media. Continue to monitor.

Wear

The wear rate is low and steady.

Contamination

Particulate level is slightly elevated. Moisture is nil.

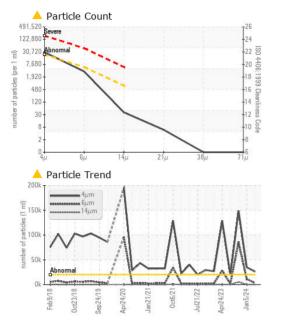
Fluid Condition

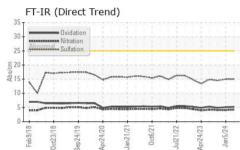
Visc @ 40°C is abnormally high, but is steady over many sample intervals. Other oil health parameters suggest the oil is safe for continued use.

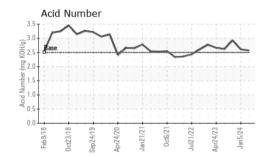
		Samp	le Rating Tre	end		
SIS REPC	RT					ISO
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UBE ISO 220 (20	J GAL)	62018 Oct201	8 Sep2019 Apr2020 .	Jan2021 Oct2021 Jul2022 Apr202	23 Jan2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PLS0000815	PLS0000812	PLS0000658
Sample Date		Client Info		12 Apr 2024	05 Jan 2024	09 Oct 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		2	1	1
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		17	20	14
Iron	ppm	ASTM D5185m	>200	11	12	12
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>100	<1	<1	0
Copper	ppm	ASTM D5185m	>200	3	3	9
Tin	ppm	ASTM D5185m	>25	0	0	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	65	25	27	28
Barium	ppm	ASTM D5185m		1	<1	0
Molybdenum	ppm	ASTM D5185m	325	378	395	436
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	2	3
Calcium	ppm	ASTM D5185m		44	43	47
Phosphorus	ppm	ASTM D5185m	875	1057	1119	1137
Zinc	ppm	ASTM D5185m		25	17	13
Sulfur	ppm	ASTM D5185m	16000	22500	23293	22373
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	12	10
Sodium	ppm	ASTM D5185m		3	0	2
Potassium	ppm	ASTM D5185m	>20	2	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
3001 /8						
Nitration	Abs/cm	*ASTM D7624		4.2	4.1	4.1

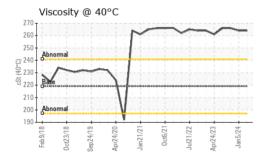


OIL ANALYSIS REPORT







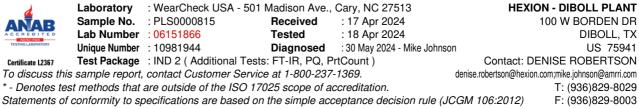


FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	A 26148	▲ 34921	148784
Particles >6µm		ASTM D7647	>5000	3083	1 1325	▲ 85006
Particles >14µm		ASTM D7647	>640	34	87	4 985
Particles >21µm		ASTM D7647	>160	5	9	2 06
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 22/19/12	<u>22/21/14</u>	▲ 24/24/19
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		5.2	5.1	4.9
Acid Number (AN)	mg KOH/g	ASTM D8045	2.5	2.57	2.61	2.928
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	NONE	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	>0.2	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	219	264	264	266

Color



Bottom



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Certificate 12367

Contact/Location: DENISE ROBERTSON - HEXDIB