

OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Area PROCESS CHEESE [98859246] Machine Id COOKER 11 Component

Gearbox Fluid GEAR OIL ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

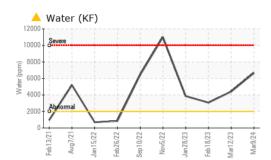
Fluid Condition

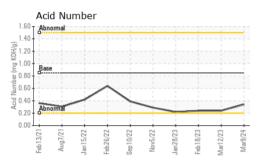
The AN level is acceptable for this fluid.

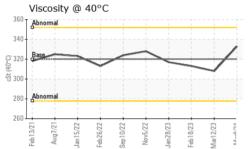
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117977	PCA0088316	PCA0081566
Sample Date		Client Info		09 Mar 2024	12 Mar 2023	18 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	23	43	196
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	1	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>200	ں <1	0	0
Vanadium		ASTM D5185m	225	0	0	0
Cadmium	ppm ppm	ASTM D5185m		0	0	0
ADDITIVES	ppm	method	limit/base	current	history1	history2
Boron	0.0.00	ASTM D5185m	50		0	0
	ppm			0		
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	50	<1	0	<1
Calcium	ppm	ASTM D5185m	50	0	0	2
Phosphorus	ppm	ASTM D5185m	350	592	449	473
Zinc	ppm	ASTM D5185m	100	0	<1	0
Sulfur	ppm	ASTM D5185m	12500	1977	1265	1391
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	2	3
Sodium	ppm	ASTM D5185m		4	4	7
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Water	%	ASTM D6304	>0.2	0.667	0.441	▲ 0.307
opm Water	ppm	ASTM D6304	>2000	6670	4 410	A 3070
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300			▲ 16329
Particles >6µm		ASTM D7647	>320			▲ 8895
Particles >14µm		ASTM D7647	>80			🔺 1514
Particles >21µm		ASTM D7647	>20			5 10
		ASTM D7647	>4			1 79
Particles >38µm		ASTM D7647	>3			<u> </u>
Particles >38µm Particles >71µm		10110101041				
		ISO 4406 (c)	>17/15/13			1 /20/18
Particles >71µm) ATION	ISO 4406 (c)		 current	 history1	21/20/18 history2



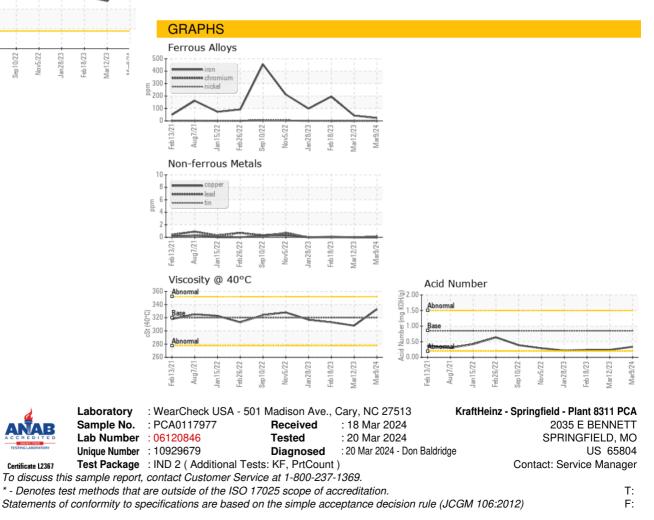
OIL ANALYSIS REPORT







VISUAL method limit/base history1 history2 current NONE NONE White Metal *Visual NONE NONE scalar Yellow Metal NONE NONE NONE NONE scalar *Visual Precipitate scalar *Visua NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris *Visual NONE LIGHT LIGHT scalar NONE NONE Sand/Dirt scalar *Visual NONE NONE NORML Appearance *Visual NORML HAZY MILKY scalar NORML NORML Odor scalar *Visual NORML NORML **Emulsified Water** scalar *Visual >0.2 0.2% A 0.2% 0.2% Free Water scalar *Visual NEG 1.0 NEG **FLUID PROPERTIES** method limit/base curren history history Visc @ 40°C cSt ASTM D445 320 333 308 313 SAMPLE IMAGES method limit/base history2 current history1 Color Bottom



Contact/Location: Service Manager - KRASPRMO