

OIL ANALYSIS REPORT

Kenova [Kenova] Oil - Port Reduction Gear Component

Port Reduction Gear

Reduction Gear Oil (35 GAL)

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: ADAM FIELDS)

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.



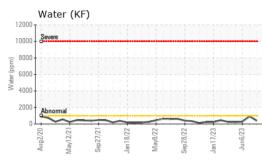


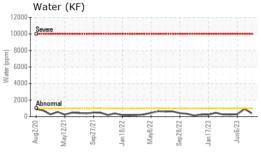
Sample Rating Trend

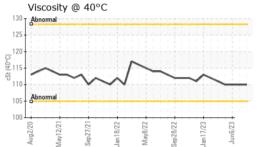
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0719052	WC0735539	WC0735178
Sample Date		Client Info		30 Aug 2023	30 Jul 2023	06 Jun 2023
Machine Age	hrs	Client Info		36527	35936	34985
Oil Age	hrs	Client Info		10709	10118	9168
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	26	16	18
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		1	<1	0
Aluminum	ppm	ASTM D5185m	>25	6	2	2
Lead	ppm	ASTM D5185m	>100	<1	<1	<1
Copper	ppm	ASTM D5185m	>50	3	2	2
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 20		history2 14
			limit/base		history1	
Boron	ppm	ASTM D5185m	limit/base	20	history1 14	14
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	20 2	history1 14 0	14 0
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28	history1 14 0 25	14 0 23
Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1	history1 14 0 25 <1	14 0 23 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1 273	history1 14 0 25 <1 212	14 0 23 <1 216
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1 273 4387	history1 14 0 25 <1 212 3636	14 0 23 <1 216 3413
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1 273 4387 1129	history1 14 0 25 <1 212 3636 933	14 0 23 <1 216 3413 876
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1 273 4387 1129 1302	history1 14 0 25 <1 212 3636 933 1058	14 0 23 <1 216 3413 876 1015
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		20 2 28 <1 273 4387 1129 1302 11734	history1 14 0 25 <1 212 3636 933 1058 9280	14 0 23 <1 216 3413 876 1015 9937
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1 273 4387 1129 1302 11734 current	history1 14 0 25 <1 212 3636 933 1058 9280 history1	14 0 23 <1 216 3413 876 1015 9937 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	20 2 28 <1 273 4387 1129 1302 11734 current 6	history1 14 0 25 <1 212 3636 933 1058 9280 history1 4	14 0 23 <1 216 3413 876 1015 9937 history2 4
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	limit/base	20 2 28 <1 273 4387 1129 1302 11734 current 6 2	history1 14 0 25 <1 212 3636 933 1058 9280 history1 4 0	14 0 23 <1 216 3413 876 1015 9937 history2 4 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >50 >20	20 2 28 <1 273 4387 1129 1302 11734 current 6 2 2 2	history1 14 0 25 <1 212 3636 933 1058 9280 history1 4 0 <1	14 0 23 <1 216 3413 876 1015 9937 history2 4 3 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >50 >20 >0.1	20 2 28 <1 273 4387 1129 1302 11734 <i>current</i> 6 2 2 2 0.040	history1 14 0 25 <1 212 3636 933 1058 9280 history1 4 0 <1 0 <1 0.092	14 0 23 <1 216 3413 876 1015 9937 history2 4 3 0 0 0.028



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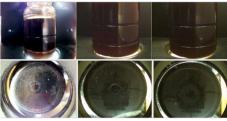






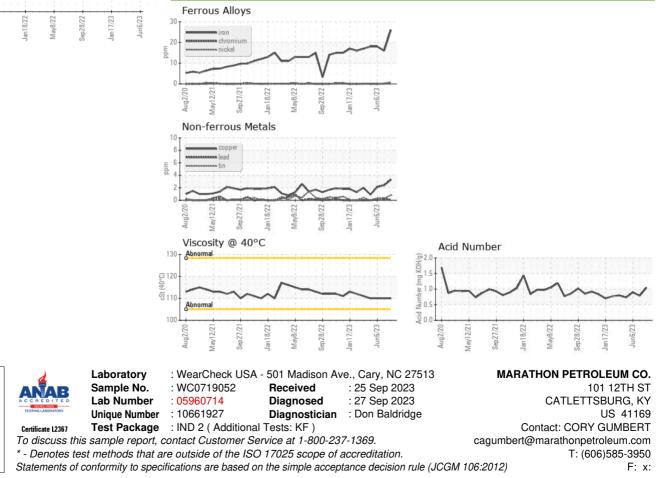
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	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		110	110	110
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color



Bottom





Page 2 of 2