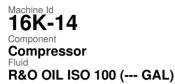


# **OIL ANALYSIS REPORT**

### Sample Rating Trend





#### 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.

ATION hrs hrs opm opm opm opm	method Client Info Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m	limit/base limit/base >50 >10	current HPL0003031 15 Aug 2023 0 0 N/A NORMAL current	history1 HPL0003237 13 Jul 2023 0 0 N/A NORMAL history1	history2 HPL0003415 15 Jun 2023 0 0 N/A NORMAL history2
opm opm opm opm opm	Client Info Client Info Client Info Client Info Method ASTM D5185m ASTM D5185m	>50	15 Aug 2023 0 0 N/A NORMAL	13 Jul 2023 0 0 N/A NORMAL history1	15 Jun 2023 0 0 N/A NORMAL
opm opm opm opm opm	Client Info Client Info Client Info Method ASTM D5185m ASTM D5185m	>50	0 0 N/A NORMAL current	0 0 N/A NORMAL history1	0 0 N/A NORMAL
opm opm opm opm opm	Client Info Client Info Method ASTM D5185m ASTM D5185m ASTM D5185m	>50	0 N/A NORMAL current	0 N/A NORMAL history1	0 N/A NORMAL
opm opm opm opm opm	Client Info method ASTM D5185m ASTM D5185m ASTM D5185m	>50	N/A NORMAL current	N/A NORMAL history1	N/A NORMAL
opm opm opm opm	Method ASTM D5185m ASTM D5185m ASTM D5185m	>50	NORMAL current	NORMAL history1	NORMAL
opm opm opm opm	ASTM D5185m ASTM D5185m ASTM D5185m	>50	current	history1	-
opm opm opm opm	ASTM D5185m ASTM D5185m ASTM D5185m	>50			history2
opm opm opm opm	ASTM D5185m ASTM D5185m		•		
opm opm opm	ASTM D5185m	>10	0	<1	0
opm opm			0	0	0
opm	ASTM D5185m		0	0	0
			0	0	0
nm	ASTM D5185m		0	0	0
opm	ASTM D5185m	>25	0	2	0
opm	ASTM D5185m	>25	1	1	<1
opm	ASTM D5185m	>50	3	3	2
opm	ASTM D5185m	>15	0	0	0
pm	ASTM D5185m		0	0	0
opm	ASTM D5185m		0	0	0
	method	limit/base	current	history1	history2
opm	ASTM D5185m	5	0	0	0
opm	ASTM D5185m	5	0	0	0
opm	ASTM D5185m	5	0	0	0
opm	ASTM D5185m		<1	0	0
pm	ASTM D5185m	5	0	<1	<1
pm	ASTM D5185m	5	5	8	8
		100	200	213	191
				14	11
opm	ASTM D5185m	1500	18443	19462	17172
	method	limit/base	current	history1	history2
opm	ASTM D5185m	>25	4	4	3
opm	ASTM D5185m		2	0	0
opm	ASTM D5185m	>20	0	<1	<1
ION	method	limit/base	current	history1	history2
ng KOH/g	ASTM D8045	0.08	0.48	0.46	0.45
	method	limit/base	current	history1	history2
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NORML	NORML	NORML	NORML
scalar	*Visual	NORML	NORML	NORML	NORML
scalar	*Visual	>0.1	NEG	NEG	NEG
scalar	*Visual		NEG	NEG	NEG
	opm opm opm opm opm opm opm opm opm opm	ASTM D5185m ASTM D	ASTM D5185m>15ASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185m5ASTM D5185m100ASTM D5185m100ASTM D5185m1500ASTM D5185m25ASTM D5185m25ASTM D5185m225ASTM D5185m220ASTM D5185m220ASTM D5185m220ASTM D5185m220ASTM D5185m220ASTM D5185m20ASTM D5185m	ASTM D5185m>15OoppmASTM D5185mOoppmASTM D5185mOoppmASTM D5185mSoppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m5oppmASTM D5185m100oppmASTM D5185m100oppmASTM D5185m1500oppmASTM D5185m25oppmASTM D5185m22oppmASTM D5185m22oppmASTM D5185m22oppmASTM D5185m20oppmASTM D5185m20oppmASTM D5185m20oppmASTM D5185m20oppmASTM D5185m20oppmASTM D5185m20oppmASTM D5185m20oppmASTM D80450.08oppmASTM D80450.08oppmASTM D8045NONEoppmASTM D8045NONEoppmASTM D8045NONEoppmASTM D8045NONEoppmASTM D8045NONEoppmASTM D8045NONEoppmASTM D8045NONEoppmASTM D8045NONEoppmYisualNONEoppmYisual	ASTM D5185m >15 0 0   oppm ASTM D5185m >15 0 0   oppm ASTM D5185m 0 0 0   oppm ASTM D5185m 5 0 -1   oppm ASTM D5185m 5 5 8   oppm ASTM D5185m 5 5 8   oppm ASTM D5185m 100 200 213   oppm ASTM D5185m 1500 18443 19462   oppm ASTM D5185m >25 4 4   oppm ASTM D5185m >20 0 <1   oppm ASTM D5185m >20 0 <1

Contact/Location: M.S. MANHART - MARROB



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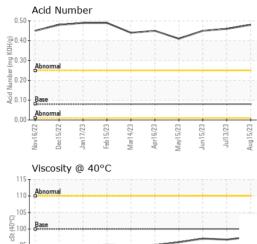
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85

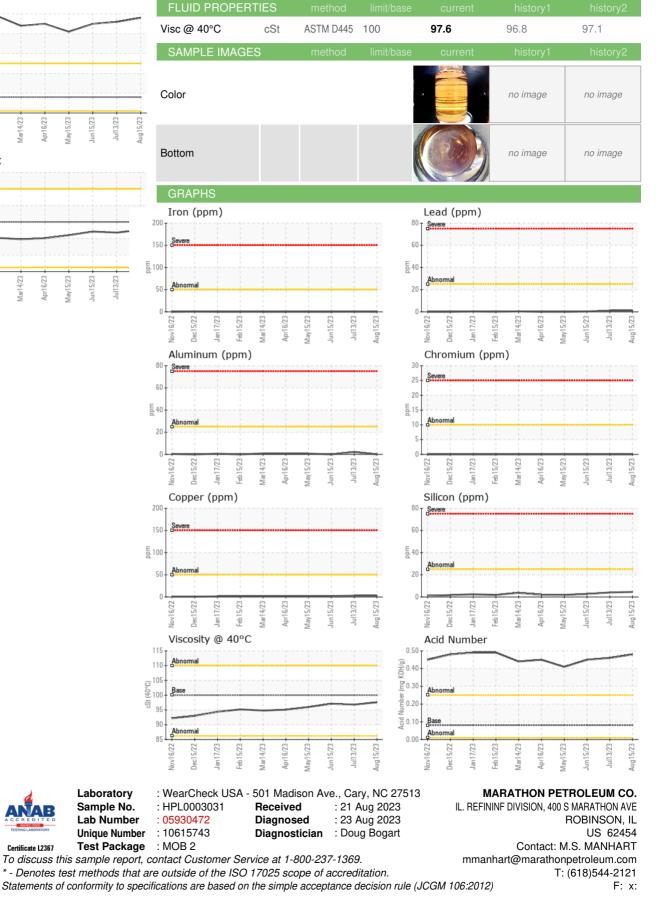
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# **OIL ANALYSIS REPORT**



Mav15/23



Certificate L2367

Contact/Location: M.S. MANHART - MARROB