

## **PROBLEM SUMMARY**

## Sample Rating Trend

WEAR

# A

# CRM54

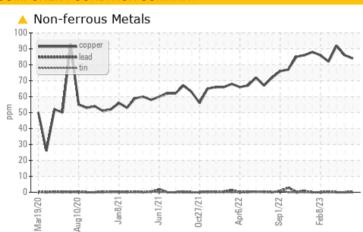
# CRM 54 CLEAN OIL TANK (S/N 16-2200-1026)

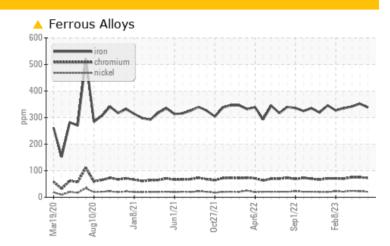
Component

Tank New (Unused) Oil

NOT GIVEN (--- QTS)

## COMPONENT CONDITION SUMMARY





## RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				ATTENTION	ATTENTION	ATTENTION			
Iron	ppm	ASTM D5185m	>5	<b>△</b> 338	<u>▲</u> 352	<b>△</b> 342			
Chromium	ppm	ASTM D5185m	>5	<b>73</b>	<b>△</b> 75	<b>△</b> 75			
Copper	ppm	ASTM D5185m	>5	<b>A</b> 84	<b>▲</b> 86	<u>^</u> 92			

Customer Id: OUTCALAL Sample No.: RP0035049 Lab Number: 05861130 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

## **RECOMMENDED ACTIONS**

Action	Status	Date	Done By	Description
Resample	MISSED	Jul 06 2023	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

## 28 Apr 2023 Diag: Jonathan Hester

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## 30 Mar 2023 Diag: Angela Borella

WEAR



This is the baseline readout on this new (unused) oil. We advise that you inspect for the source(s) of wear. Please specify the brand, type, and viscosity of the oil on your next sample. Chromium, copper and iron ppm levels are noted. The water content is negligible. There is no indication of any contamination in the new (unused) oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



### 27 Feb 2023 Diag: Jonathan Hester

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**

## **WEAR**



history1

# CRM54

## CRM 54 CLEAN OIL TANK (S/N 16-2200-1026)

Tank New (Unused) Oil

NOT GIVEN (--- QTS)

## **DIAGNOSIS**

## Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## Wear

Bearing and/or gear wear is indicated.

## Contamination

There is no indication of any contamination in the

## **Fluid Condition**

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



Carrenta Numahan		Oliant Infa		RP0035049	RP0034559	RP0029666
Sample Number		Client Info				30 Mar 2023
Sample Date	bro	Client Info		30 May 2023 0	28 Apr 2023 0	0 War 2023
Machine Age Oil Age	hrs hrs	Client Info		0	0	0
Oil Changed	1115	Client Info		N/A	N/A	N/A
-		Ciletit iiiio		ATTENTION	ATTENTION	ATTENTION
Sample Status						
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	16	15
Iron	ppm	ASTM D5185m	>5	<b>△</b> 338	▲ 352	<b>△</b> 342
Chromium	ppm	ASTM D5185m	>5	<b>73</b>	<b>△</b> 75	<b>△</b> 75
Nickel	ppm	ASTM D5185m	>5	21	22	24
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>5	0	<1	<1
Lead	ppm	ASTM D5185m	>5	<1	0	0
Copper	ppm	ASTM D5185m	>5	<u> </u>	<u>▲</u> 86	<b>△</b> 92
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
On almailtima		ACTM DE10E		^	^	0
Cadmium	ppm	ASTM D5185m		0	0	U
ADDITIVES	ppm	method	limit/base	current	history1	history2
	ppm		limit/base	-		-
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 0	history1	history2
ADDITIVES  Boron  Barium	ppm	method ASTM D5185m ASTM D5185m	limit/base	current 0 0	history1 0 0	history2 0 0
ADDITIVES  Boron  Barium  Molybdenum	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 2	history1 0 0 1	history2 0 0 2
ADDITIVES  Boron  Barium  Molybdenum  Manganese	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 2 21	history1 0 0 1 20	history2 0 0 2 20
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 2 21 0	history1 0 0 1 20 0	history2 0 0 2 20 0
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium	ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current 0 0 2 21 0 7	history1  0  0  1  20  0  49	history2 0 0 2 20 0 8
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus	ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current 0 0 2 21 0 7 1160	history1  0  0 1 20 0 49 1263	history2  0 0 2 20 0 8 1115
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc	ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m		current 0 0 2 21 0 7 1160	history1  0  0 1 20 0 49 1263 29	history2  0  0  2  20  0  8  1115  33
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current  0  0  2  21  0  7  1160  34  current	history1  0 0 1 20 0 49 1263 29 history1	history2  0 0 2 20 0 8 1115 33 history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  CONTAMINANTS  Silicon	ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m MEthod ASTM D5185m	limit/base	current 0 0 2 21 0 7 1160 34 current	history1  0  0 1 20 0 49 1263 29 history1	history2  0 0 2 20 0 8 1115 33 history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  CONTAMINANTS  Silicon  Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method  ASTM D5185m ASTM D5185m	limit/base >15	current 0 0 2 21 0 7 1160 34 current 4 <1	history1  0  0  1  20  0  49  1263  29  history1  4  <1	history2  0 0 2 20 0 8 1115 33 history2 3 2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  CONTAMINANTS  Silicon  Sodium  Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >15	current 0 0 2 21 0 7 1160 34 current 4 <1	history1  0 0 1 20 0 49 1263 29 history1 4 <1 0	history2  0 0 2 20 0 8 1115 33 history2 3 2 <1
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  CONTAMINANTS  Silicon  Sodium  Potassium  Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >15	current  0  0  2  21  0  7  1160  34  current  4  <1 <1  0.008	history1  0  0  1 20 0 49 1263 29 history1  4 <1 0 0.008	history2  0  0  2  20  0  8  1115  33  history2  3  2  <1  0.0009



## **OIL ANALYSIS REPORT**

