



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

[8958]

Machine Id

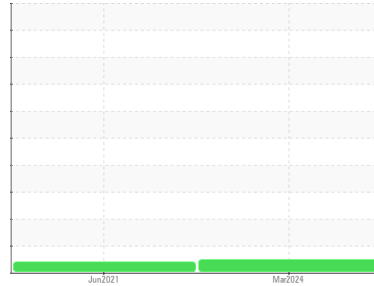
A-1 2287 - KINDER MORGAN LIQUIDS TERMINAL (S/N 0114570)

Component

Compressor

Fluid

ULTRACHEM PACO 100 (1 GAL)



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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC06123782	UCH05295210	---
Sample Date	Client Info	11 Mar 2024	10 Jun 2021	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	Changed	---
Sample Status		NORMAL	ATTENTION	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	0	16	---
Chromium	ppm	ASTM D5185m	>10	0	2	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>50	0	5	---
Tin	ppm	ASTM D5185m	>15	0	<1	---
Antimony	ppm	ASTM D5185m		---	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0.7	0	2	---
Barium	ppm	ASTM D5185m	0.1	0	0	---
Molybdenum	ppm	ASTM D5185m	0.8	0	0	---
Manganese	ppm	ASTM D5185m	0.3	0	<1	---
Magnesium	ppm	ASTM D5185m	1	0	4	---
Calcium	ppm	ASTM D5185m	5.2	0	2	---
Phosphorus	ppm	ASTM D5185m	48	72	6	---
Zinc	ppm	ASTM D5185m	2	0	10	---
Sulfur	ppm	ASTM D5185m	3509	609	3053	---

CONTAMINANTS

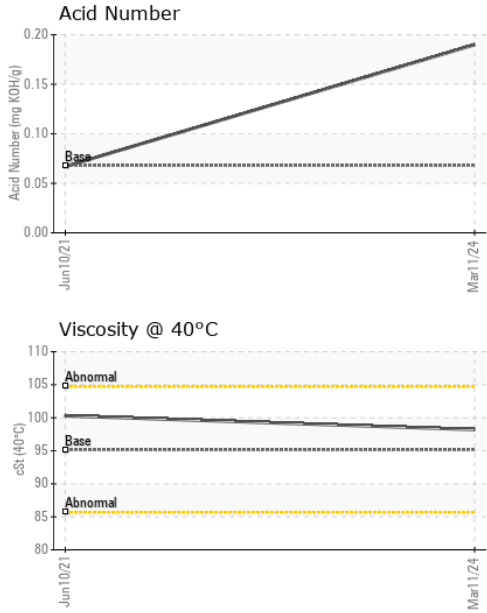
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	0	4	---
Sodium	ppm	ASTM D5185m		0	<1	---
Potassium	ppm	ASTM D5185m	>20	0	0	---

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.068	0.19	0.067	---



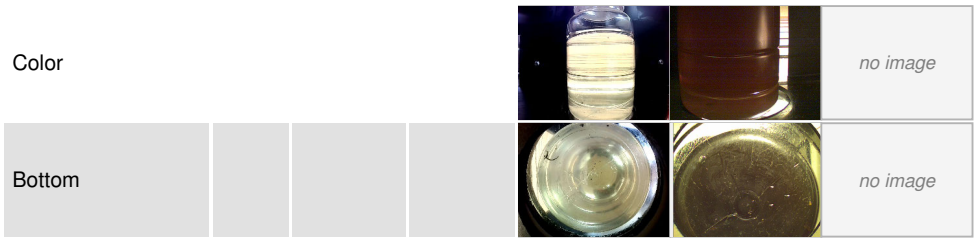
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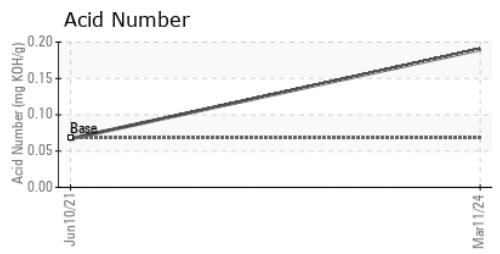
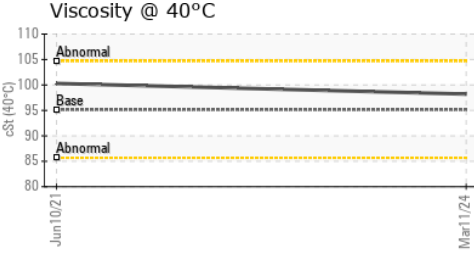
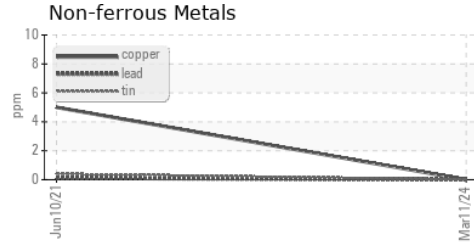
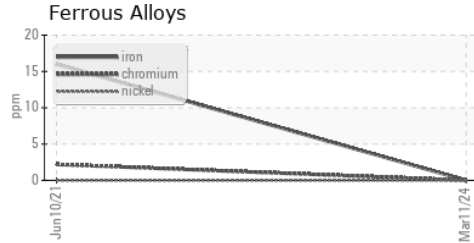
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	95.15	98.2	100.3	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06123782 **Received** : 20 Mar 2024
Lab Number : **06123782** **Tested** : 21 Mar 2024
Unique Number : 10937933 **Diagnosed** : 22 Mar 2024 - Don Baldrige
Test Package : IND 2

DELTA INDUSTRIES - DOWNERS GROVE
 2201 CURTISS STREET
 DOWNERS GROVE, IL
 US 60515
 Contact: MICHAEL FERRIS

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) T: (630)960-3931