DELTA INDUSTRIES INC.

Compressed Air, Vacuum & Blower Systems
OIL ANALYSIS REPORT

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Area ULTRA COOLANT [9256] INGERSOLL RAND MOX1001166 - LSC COMMUNITICATIONS Component Compressor

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		UDI06175605	UCH05837860	UCH05633088
	Sample Date		Client Info		03 May 2024	19 Apr 2023	05 Aug 2022
	Machine Age	hrs	Client Info		26580	21885	16302
	Oil Age	hrs	Client Info		2910	0	0
	Filter Age	hrs	Client Info		2910	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ATTENTION	ATTENTION
WEAR	Iron	ppm	ASTM D5185m	>50	6	<1	2
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	0	0
	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	<1	0	0
	Lead	ppm	ASTM D5185m	>25	0	0	<1
	Copper	ppm	ASTM D5185m	>50	<1	3	2
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
	Potassium	ppm	ASTM D5185m	>20	3	2	3
There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE		NONE
					NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	LIGHT	MODER
	Debris Sand/Dirt	scalar scalar					
			*Visual	NONE	NONE	LIGHT	MODER
	Sand/Dirt	scalar	*Visual *Visual	NONE NONE	NONE NONE	LIGHT NONE	MODER NONE
	Sand/Dirt Appearance	scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORML	LIGHT NONE NORML	MODER NONE NORML
FLUID CONDITION	Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NORML NORML	NONE NONE NORML NORML NEG	LIGHT NONE NORML NORML NEG	MODER NONE NORML NORML NEG
FLUID CONDITION	Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual	NONE NORML NORML >0.1	NONE NONE NORML NORML	LIGHT NONE NORML NORML	MODER NONE NORML NORML
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NORML NORML >0.1	NONE NORE NORML NEG 24	LIGHT NONE NORML NORML NEG 8	MODER NONE NORML NEG 12
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500	NONE NORML NORML NEG 24 0	LIGHT NONE NORML NEG 8 3	MODER NONE NORML NEG 12 4
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500	NONE NORML NORML NEG 24 0 898	LIGHT NONE NORML NEG 8 3 0	MODER NONE NORML NEG 12 4 2
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500 0	NONE NORML NORML NEG 24 0 898 0	LIGHT NORML NORML NEG 8 3 0 0	MODER NORML NORML NEG 12 4 2 <1
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500 0	NONE NORML NORML NEG 24 0 898 0 <1	LIGHT NONE NORML NEG 8 3 0 0 0 <1	MODER NORML NORML NEG 12 4 2 2 <1 <1
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 500 0 0	NONE NORML NORML NEG 24 0 898 0 <1 1	LIGHT NONE NORML NEG 8 3 0 0 0 <1 2	MODER NONE NORML NEG 12 4 2 <1 <1 <1 6
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500 0 0 0 0 0 20	NONE NORML NORML NEG 24 0 898 0 <1 1 1 2	LIGHT NONE NORML NEG 8 3 0 0 <1 2 0	MODER NORML NORML NEG 12 4 2 <1 <1 <1 6 1
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500 0 0 0 0 0 20 0 0	NONE NORML NORML NEG 24 0 898 0 <1 1 1 2 1 1	LIGHT NORML NORML NEG 8 3 0 0 0 <1 2 0 0 39	MODER NORML NORML NEG 12 4 2 <1 <1 6 1 6 1 2 6 1
The AN level is acceptable for this fluid. The condition of the oil is	Sand/Dirt Appearance Odor Emulsified Water Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1 0 500 0 0 0 0 0 20 0 0	NONE NORML NORML NEG 24 0 898 0 <1 1 2 1 2 10 18	LIGHT NONE NORML NEG 8 3 0 0 0 <1 2 0 39 22	MODER NORML NORML NEG 12 4 2 4 2 4 2 4 2 4 1 2 6 1 6 1 1 2 6 1 2 6 8 9

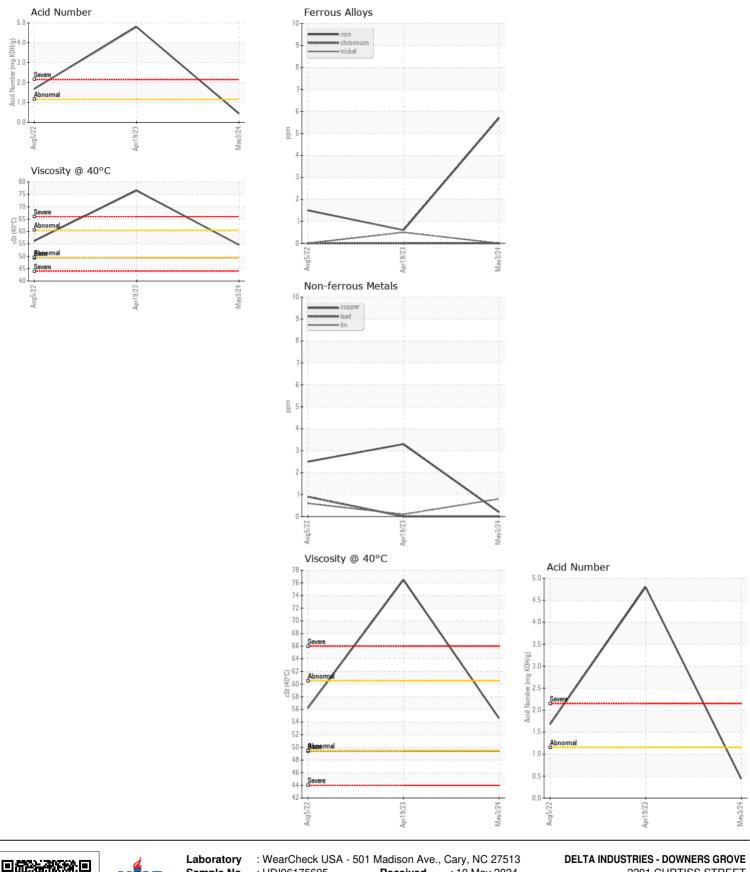
Contact/Location: MICHAEL FERRIS - UCDELDOW

76.5

54.6

Visc @ 40°C cSt ASTM D445 49.4

56.2



Sample No. : UDI06175605 Received 2201 CURTISS STREET : 10 May 2024 Lab Number : 06175605 Tested : 16 May 2024 DOWNERS GROVE, IL Unique Number : 11021658 Diagnosed : 16 May 2024 - Jonathan Hester US 60515 Test Package : IND 2 Contact: MICHAEL FERRIS Certificate L2367 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. T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (630)960-3931

Contact/Location: MICHAEL FERRIS - UCDELDOW Page 2 of 2