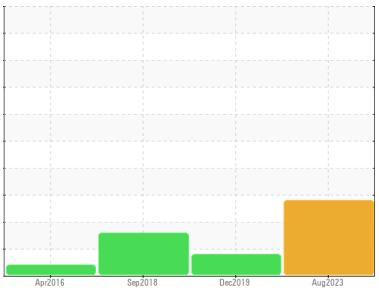
PROBLEM SUMMARY

Sample Rating Trend

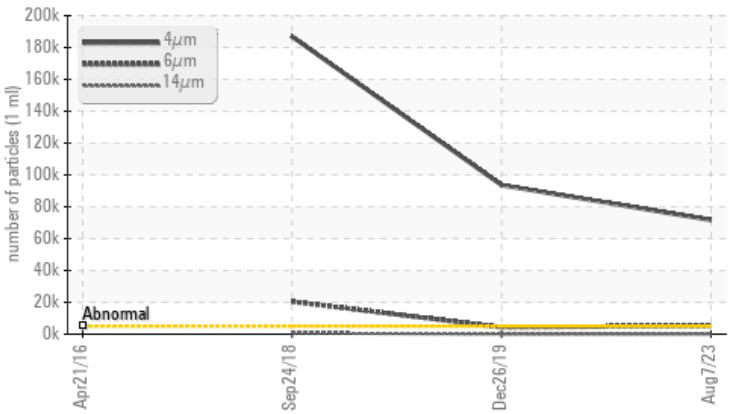


WATER

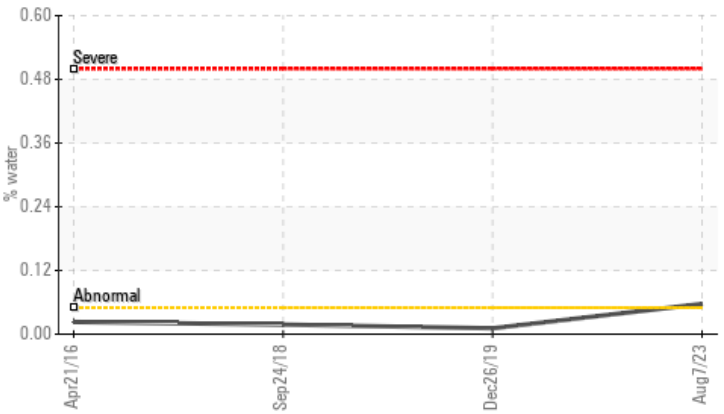
Machine Id
SEACRANE RIG 77-B (S/N 026612)
Component
Starboard Crane
Fluid
CHEVRON CLARITY HYDRAULIC AW 68 (6 PNT)

COMPONENT CONDITION SUMMARY

Particle Trend



Water



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.05	▲ **0.057**	0.011	0.018
ppm Water	ppm	ASTM D6304	>500	▲ **577.8**	116.3	180
Particles >4µm		ASTM D7647	>5000	▲ **71654**	▲ 93560	▲ 186874
Particles >6µm		ASTM D7647	>1300	▲ **5195**	▲ 4326	▲ 20361
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **23/20/13**	▲ 24/19/12	▲ 25/22/17

Customer Id: PARNEWLA
Sample No.: RP094739
Lab Number: 05922219
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

26 Dec 2019 Diag: Jonathan Hester

ISO

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

24 Sep 2018 Diag: Jonathan Hester

ISO

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

21 Apr 2016 Diag: Jonathan Hester

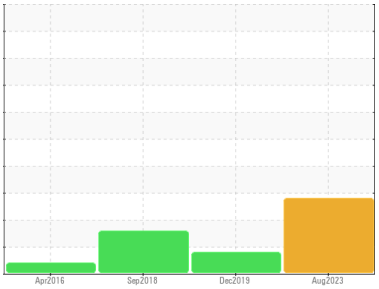
VIS DEBRIS

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
SEACRANE RIG 77-B (S/N 026612)
Component
Starboard Crane
Fluid
CHEVRON CLARITY HYDRAULIC AW 68 (6 PNT)

DIAGNOSIS

Recommendation
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a trace of moisture present 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		**RP094739**	RP200676	RP154788
Sample Date		Client Info		**07 Aug 2023**	26 Dec 2019	24 Sep 2018
Machine Age	mths	Client Info		**0**	0	0
Oil Age	mths	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>53	**32**	24	31
Chromium	ppm	ASTM D5185m	>4	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>20	**0**	0	<1
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m		**0**	<1	<1
Aluminum	ppm	ASTM D5185m	>4	**2**	<1	<1
Lead	ppm	ASTM D5185m	>100	**2**	2	2
Copper	ppm	ASTM D5185m	>50	**17**	13	15
Tin	ppm	ASTM D5185m	>4	**<1**	<1	1
Antimony	ppm	ASTM D5185m		**---**	0	4
Vanadium	ppm	ASTM D5185m		**<1**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	<1

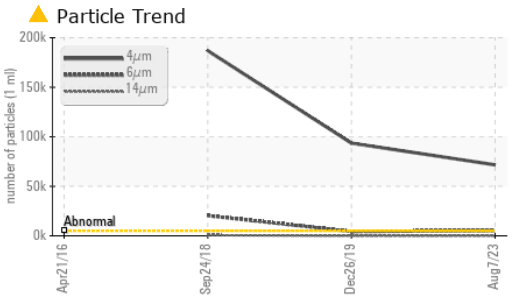
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	<1	2
Barium	ppm	ASTM D5185m		**0**	<1	7
Molybdenum	ppm	ASTM D5185m		**<1**	<1	3
Manganese	ppm	ASTM D5185m		**1**	<1	1
Magnesium	ppm	ASTM D5185m		**4**	7	15
Calcium	ppm	ASTM D5185m		**124**	137	216
Phosphorus	ppm	ASTM D5185m		**300**	337	357
Zinc	ppm	ASTM D5185m		**109**	135	266

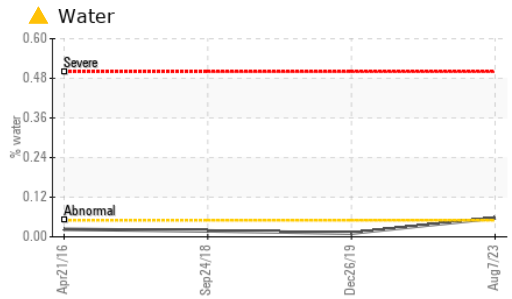
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**3**	4	4
Sodium	ppm	ASTM D5185m		**8**	4	8
Potassium	ppm	ASTM D5185m	>20	**0**	1	1
Water	%	ASTM D6304	>0.05	▲ **0.057**	0.011	0.018
ppm Water	ppm	ASTM D6304	>500	▲ **577.8**	116.3	180

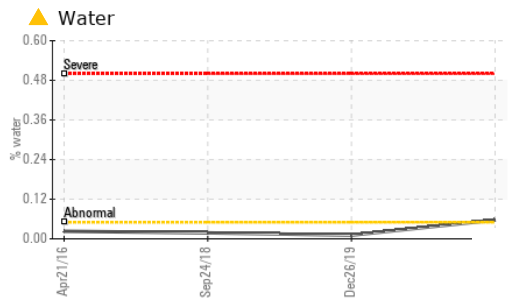
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **71654**	▲ 93560	▲ 186874
Particles >6µm		ASTM D7647	>1300	▲ **5195**	▲ 4326	▲ 20361
Particles >14µm		ASTM D7647	>160	**68**	36	▲ 653
Particles >21µm		ASTM D7647	>40	**14**	9	▲ 126
Particles >38µm		ASTM D7647	>10	**1**	0	4
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **23/20/13**	▲ 24/19/12	▲ 25/22/17

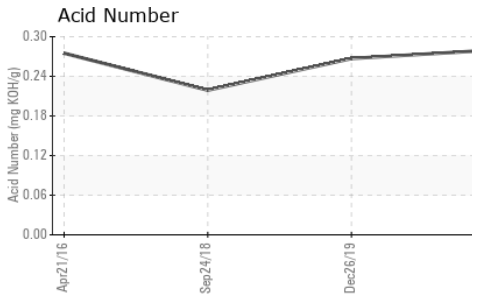
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.28**	0.267	0.219

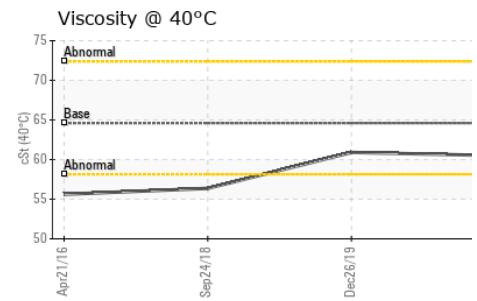
OIL ANALYSIS REPORT







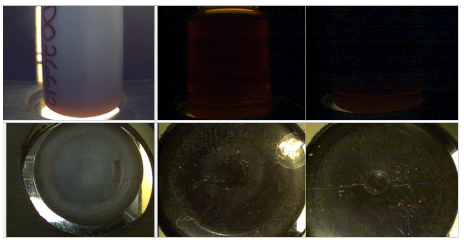




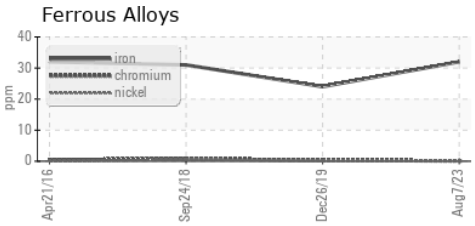
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

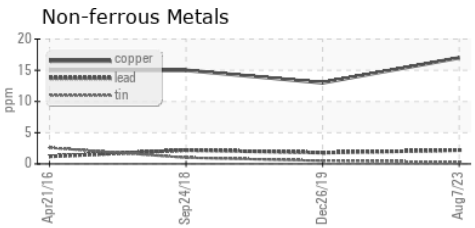
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	64.6	**60.5**	60.9	56.37

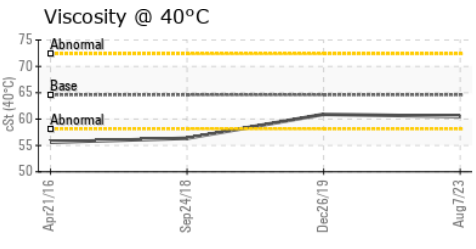
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

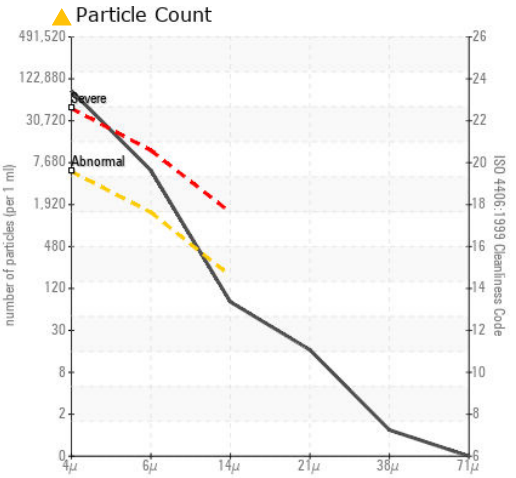


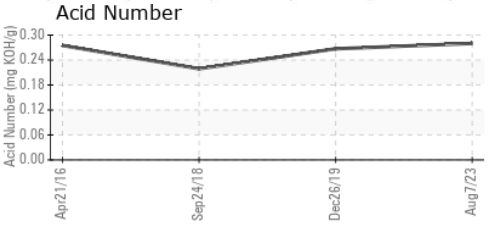
GRAPHS











Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP094739 **Received** : 11 Aug 2023
Lab Number : 05922219 **Diagnosed** : 14 Aug 2023
Unique Number : 10602166 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: PrtCount)

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)

PARKER DRILLING COMPANY
1110 UNIFAB RD
NEW IBERIA, LA
US 70560
Contact: BRENT CARLINE
brent.carline@parkerdrilling.com
T: (337)364-3122
F: (337)364-0232