

OIL ANALYSIS REPORT

Area Infeed Reducer (S/N P0312)

Component Hydraulic System

CHEVRON RYKON PREMIUM 46 (160 GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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



Sample Rating Trend

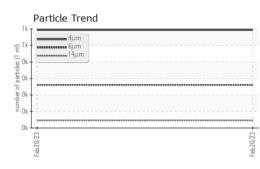


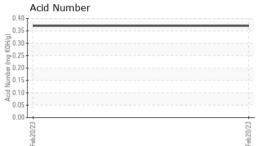
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003691		
Sample Date		Client Info		20 Feb 2023		
Machine Age	mths	Client Info		14		
Oil Age	mths	Client Info		14		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm ppm	ASTM D5185m		0		
Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m		0 2		
Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 2 54		
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 2 54 328		
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 2 54 328 410		
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 2 54 328		
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 2 54 328 410		
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15	0 2 54 328 410 1568 current 2	 	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>15	0 2 54 328 410 1568 current	 	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15	0 2 54 328 410 1568 current 2	 history1 	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>15	0 2 54 328 410 1568 <u>current</u> 2 0	 	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>15 >20 limit/base	0 2 54 328 410 1568 <u>current</u> 2 0 <1	 history1 	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 limit/base	0 2 54 328 410 1568 current 2 0 <1 current	 history1 history1	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	>15 >20 limit/base >2500 >320	0 2 54 328 410 1568 <u>current</u> 2 0 <1 2 0 <1 593 261 46	 history1 history1 	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4μm Particles >14μm Particles >21μm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>15 >20 limit/base >2500 >320 >80	0 2 54 328 410 1568 <u>current</u> 2 0 <1 <u>current</u> 593 261 46 13	 history1 history1 	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>15 >20 limit/base >2500 >320 >80 >20	0 2 54 328 410 1568 <u>current</u> 2 0 <1 <u>current</u> 593 261 46 13 1	 history1 history1 history1	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium PtLUID CLEANLIN Particles >4µm Particles >4µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>15 >20 limit/base >2500 >320 >320 >80 >20 >4	0 2 54 328 410 1568 <u>current</u> 2 0 <1 2 0 <1 593 261 46 13 1 1 0	 history1 history1 history1	 history2 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >4µm Particles >14µm Particles >38µm Particles >71µm Oil Cleanliness	ppm ppm ppm ppm ppm ppm ppm ppm ESS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>15 >20 limit/base >2500 >320 >80 >20	0 2 54 328 410 1568 <u>current</u> 2 0 <1 <u>current</u> 593 261 46 13 1	 history1 history1 history1	 history2 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Ptubles FLUID CLEANLIN Particles >4µm Particles >4µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm ppm ppm ESS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>15 >20 limit/base >2500 >320 >320 >80 >20 >4	0 2 54 328 410 1568 <u>current</u> 2 0 <1 2 0 <1 593 261 46 13 1 1 0	 history1 	 history2 history2 history2

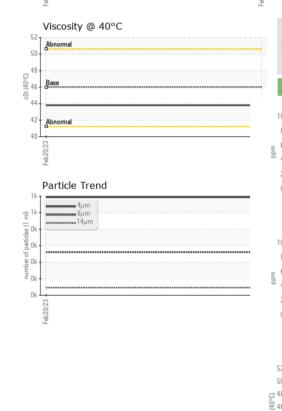
Submitted By: SAM WASSERMAN



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
ellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
ppearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
mulsified Water	scalar	*Visual	>0.05	NEG		
ree Water	scalar	*Visual		NEG		
FLUID PROPER	TIES	method	limit/base	current	history1	history2
/isc @ 40°C	cSt	ASTM D445	46.0	43.8		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color				PIKoosser	no image	no image
ottom					no image	no image
GRAPHS						
Ferrous Alloys				Particle Coun	+	
			491,520			T ²
iron chromium			122,880			-2
nickel						
			30,720	†		-2
			7,680			-2
Feb 20/23 .			(per 1 ml)			
Feb 2			1,920 ss (ber 1			+1
Non-ferrous Meta	ls		appiture 480			
copper			Feb2022 1702 1702 1700 1700 1700 1700 1700			-1
sessesses lead			quinu			-1 -1 -1 -1 -1 -1
			30	t		-1;
1				Bisreve mal		-1
				•		
Feb 20/23			62 2			* 48
Le la			20/			
			Feb20/23	ц <u>би</u>	14µ 21µ	384 714
Viscosity @ 40°C			4	وم Acid Number	14μ 21μ	38µ 71µ
Viscosity @ 40°C			4	Acid Number	14µ 21µ	38µ 71µ
7 =			4	Acid Number	14µ 21µ	38µ 71µ
7 =			4	Acid Number	14 ⁴ µ 21 ¹ µ	36µ 71µ
Abnormal Base			4	Acid Number	14µ 21µ	38µ 71µ
7 =			040 040 05.0 kg 01.0 k	Acid Number	14μ 21μ	38µ 71µ
Abnormal Base Abnormal			(),0,40 (),0,10 (),0,10 (),0,20 (),0,0) (),0,20 (),0,0	Acid Number	14µ 21µ	38µ 71µ
Abnormal Base			(9,0.40 (9,0.30 (9,0.30 (1,0.20) (1,0.2	Acid Number	14 ⁴ µ 21 ⁴ µ	38µ 71µ
Abnormal Base Abnormal Abnormal WearCheck USA - S PTK0003691 05777427	Recieved Diagnose	d : 27 ed : 28	P 0 00.0 00.0 00.0 4 00.0 9 00.0 4 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 9 00.0 00 00 00 00 00 00 00 00 00 00 00 0	Acid Number	An LITHONIA INDU	
Abnormal Base Abnormal WearCheck USA - 5 2TK0003691 05777427	Recieved	d : 27 ed : 28	ry, NC 27513 Feb 2023 Feb 2023	Acid Number	An LITHONIA INDU	IP ROBOTIC ISTRIAL BLV LITHONIA, C US 300

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.

Laboratory

Sample No.

Lab Number **Unique Number**

Test Package

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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Submitted By: SAM WASSERMAN

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