

TPR-Houston Port Machine Id 6354 6354 Component Front Left Wheel Hub Fluid CHEVRON 1000 THF (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0023562	DJJ0018952	DJJ0018993
Sample Date		Client Info		19 Feb 2024	13 Nov 2023	09 Feb 2023
Machine Age	hrs	Client Info		17614	16443	13985
Oil Age	hrs	Client Info		1000	0	0
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	6	17	14
Chromium	ppm	ASTM D5185m	>8	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	0	0	<1
Lead	ppm	ASTM D5185m	>5	<1	0	<1
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual			NONE	
	Scalai	VISUAI	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE	NONE 4	NONE 6	NONE 6
Yellow Metal Silicon Potassium	scalar ppm	*Visual ASTM D5185m ASTM D5185m	NONE >25 >20	NONE 4 0	NONE 6 0	0
Yellow Metal Silicon Potassium Water	scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method	NONE >25 >20 >0.2	NONE 4 0 NEG	NONE 6 0 NEG	6 0 NEG
Yellow Metal Silicon Potassium Water Silt	scalar ppm ppm scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual	NONE >25 >20 >0.2 NONE	NONE 4 0 NEG NONE	NONE 6 0 NEG NONE	6 0 NEG NONE
Yellow Metal Silicon Potassium Water Silt Debris	scalar ppm ppm scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual	NONE >25 >20 >0.2 NONE NONE	NONE 4 0 NEG NONE NONE	NONE 6 0 NEG NONE NONE	NONE 6 0 NEG NONE NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt	scalar ppm ppm scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	NONE >25 >20 >0.2 NONE NONE NONE	NONE 4 0 NEG NONE NONE NONE	NONE 6 0 NEG NONE NONE	NONE 6 0 NEG NONE NONE NONE NORE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance	scalar ppm ppm scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	NONE >25 >20 >0.2 NONE NONE NONE NORML	NONE 4 0 NEG NONE NONE NONE NORML	NONE 6 0 NEG NONE NONE NONE NORML	NONE 6 0 NEG NONE NONE NONE NORE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	scalar ppm ppm scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	NONE >25 >20 >0.2 NONE NONE NONE NORML	NONE 4 0 NEG NONE NONE NONE NORML NORML	NONE 6 NEG NONE NONE NONE NORML NORML	NONE 6 0 NEG NONE NONE NONE NORML
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar ppm scalar scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	NONE >25 >20 >0.2 NONE NONE NONE NORML	NONE 4 0 NEG NONE NONE NONE NORML NORML NEG	NONE 6 0 NEG NONE NONE NORML NORML NEG	NONE 6 0 NEG NONE NONE NONE NORML NORML NEG
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar ppm scalar scalar scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NONE NORML >0.2	NONE 4 0 NEG NONE NONE NORE NORML NEG 1	NONE 6 0 NEG NONE NONE NORML NORML NEG	NONE 6 0 NEG NONE NONE NONE NORML NORML NEG
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar ppm scalar scalar scalar scalar scalar scalar scalar ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NONE NORML >0.2	NONE 4 0 NEG NONE NONE NORML NORML NEG 1 12	NONE 6 0 NEG NONE NONE NORML NORML NEG <1 24	NONE 6 0 NEG NONE NONE NORML NORML NEG 1 10
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NONE NORML >0.2	NONE 4 0 NEG NONE NONE NORML NORML NEG 1 12 0	NONE 6 0 NEG NONE NONE NORML NORML NEG <1 24 0	NONE 6 0 NEG NONE NONE NORML NORML NEG 1 10 0
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NONE NORML >0.2	NONE 4 0 NEG NONE NONE NORML NORML NEG 1 12 0 5	NONE 6 0 NEG NONE NONE NORML NORML NEG <1 24 0 8	NONE 6 0 NEG NONE NONE NORML NORML NEG 1 10 0 6
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NORML NORML >0.2	NONE 4 0 NEG NONE NONE NORML NORML NEG 1 12 0 5 5 <1	NONE 6 0 NEG NONE NORML NORML NEG <1 24 0 8 0	NONE 6 0 NEG NONE NONE NONE NORML NORML NEG 1 10 0 6 <1
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NORML NORML >0.2	NONE 4 0 NEG NONE NONE NONE NORML NORML 12 0 5 <11 23	NONE 6 0 NEG NONE NONE NORML NEG NORML Q 24 0 8 0 47	NONE 6 0 NEG NONE NONE NONE NORML NORML NORML 0 6 2 1 0 6 <1 25
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >25 >20 >0.2 NONE NONE NONE NORML >0.2 10	NONE 4 0 NEG NONE NONE NONE NORML NEG 1 12 0 5 <1 23 2555	NONE 6 0 NEG NONE NONE NORML NORML NEG 24 0 8 0 8 0 47 2495	NONE 6 0 NEG NONE NONE NONE NONE NORML NORML NORML 1 10 0 6 <1 25 2529

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Visc @ 40°C

cSt

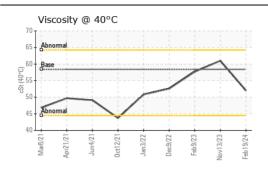
ASTM D445 58.4

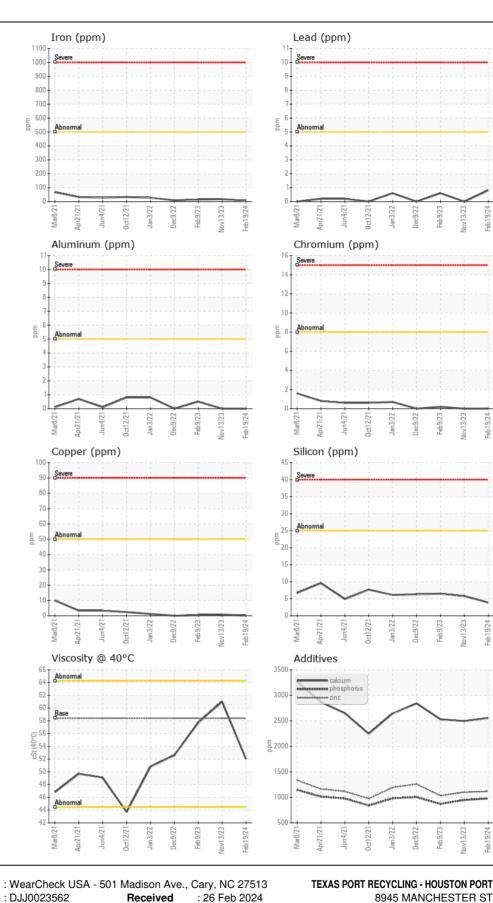
Contact/Location: Dale Shaw - TEXHOUWC

61.0

52.0

57.7







Sample No. : 26 Feb 2024 : DJJ0023562 Lab Number : 06100523 : 27 Feb 2024 HOUSTON, TX Tested : 27 Feb 2024 - Wes Davis US 77012 Unique Number : 10898753 Diagnosed Test Package : MOBCE Contact: Dale Shaw Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dale.shaw@tmrecycling.com * - 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) F: (713)921-5545

Laboratory

Contact/Location: Dale Shaw - TEXHOUWC

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