OIL ANALYSIS REPORT
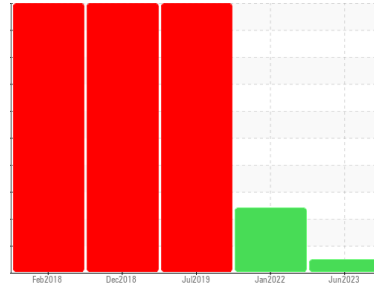
360 TECHNICAL EXPERTISE | OIL DIAGNOSTICS

Sample Rating Trend

NORMAL

Area
KEMP QUARRIES / BCS - STILLWELL
Machine Id
TTH018
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: PM-1 sampled fluid)

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.

SAMPLE INFORMATION

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number		Client Info		**PCA0086300**	PCA0025466	PCA14309038
Sample Date		Client Info		**29 Jun 2023**	28 Jan 2022	24 Jul 2019
Machine Age	hrs	Client Info		**832**	5288	5288
Oil Age	hrs	Client Info		**832**	5288	0
Oil Changed		Client Info		**N/A**	Changed	N/A
Sample Status				**NORMAL**	ABNORMAL	SEVERE

WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>500	**160**	289	🔴 1267
Chromium	ppm	ASTM D5185m	>10	**1**	3	9
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	2
Titanium	ppm	ASTM D5185m		**<1**	15	0
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**5**	🔺 17	44
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**7**	2	6
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Antimony	ppm	ASTM D5185m	>5	**---**	4	---
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	<1	0

ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		**14**	28	88
Barium	ppm	ASTM D5185m		**0**	9	0
Molybdenum	ppm	ASTM D5185m		**<1**	1	3
Manganese	ppm	ASTM D5185m		**1**	3	0
Magnesium	ppm	ASTM D5185m		**14**	8	15
Calcium	ppm	ASTM D5185m		**2796**	78	487
Phosphorus	ppm	ASTM D5185m		**968**	451	753
Zinc	ppm	ASTM D5185m		**1125**	43	318
Sulfur	ppm	ASTM D5185m		**8213**	16353	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>75	**46**	🔺 119	🔴 490
Sodium	ppm	ASTM D5185m		**1**	0	5
Potassium	ppm	ASTM D5185m	>20	**2**	5	13

VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	**NONE**	MODER	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

OIL ANALYSIS REPORT

360 OIL DIAGNOSTICS — TECHNICAL EXPERTISE

Viscosity @ 40°C
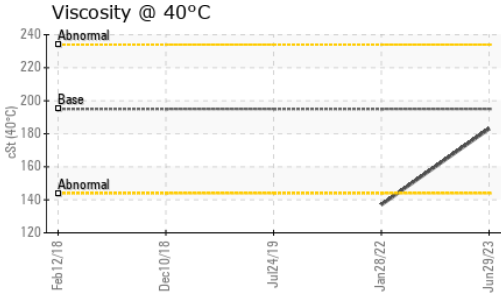
FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	195	**183**	137	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS
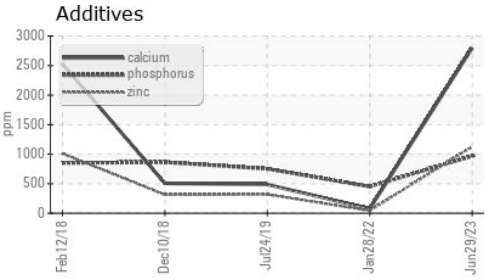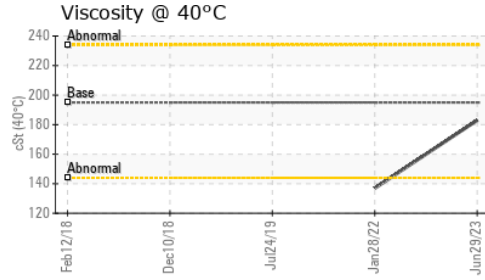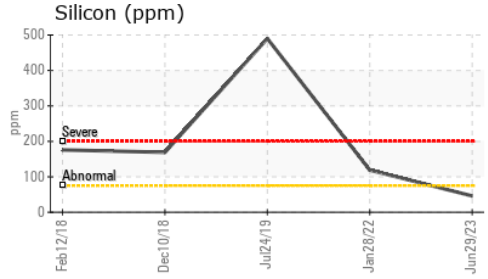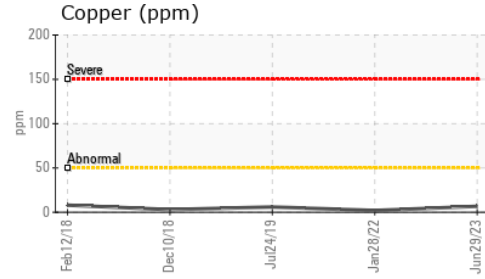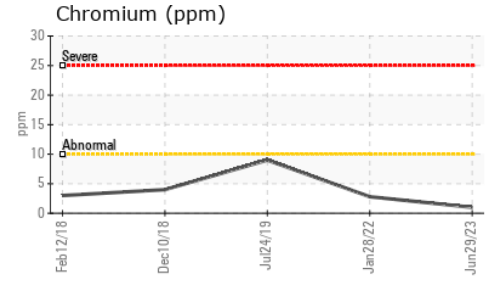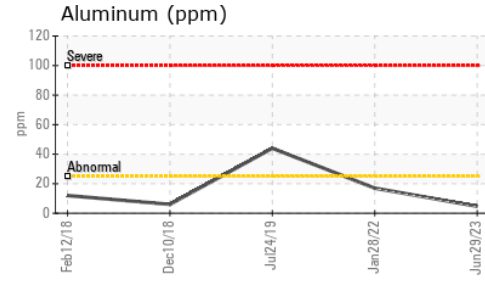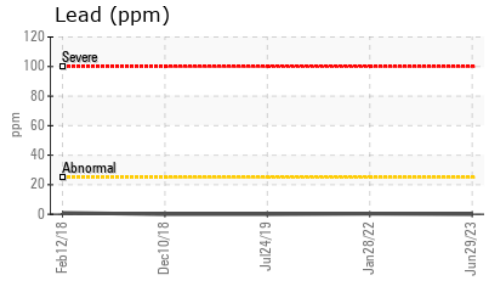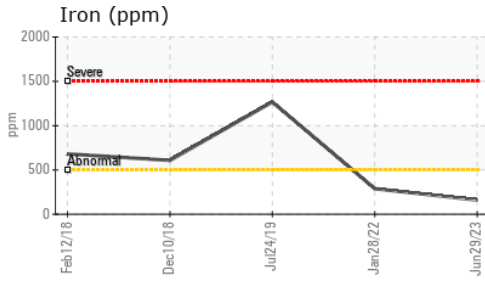
Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

Copper (ppm)

Silicon (ppm)

Viscosity @ 40°C

Additives (calcium, phosphorus, zinc)

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)