

# **OIL ANALYSIS REPORT**

Sample Number

# KEMP QUARRIES / RIVER VALLEY ARKOMA **OHT102** Component

**Front Differential** 

PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

## DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### A Wear

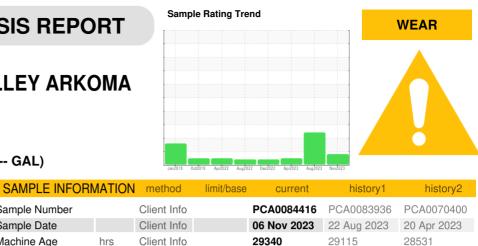
The copper level is abnormal. All other component wear rates are normal.

## 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.



Oil Age hrs Client Info 28531 29115 27903   Oil Changed Client Info Not Changd Not Changd Changed   Sample Status method limit/base current history1 history2   Iron ppm ASTM D5185m >500 143 142 292   Chromium ppm ASTM D5185m >10 <1 <1 21   Nickel ppm ASTM D5185m >10 <1 <1 <1   Itanium ppm ASTM D5185m >10 <1 <1 <1   Aluminum ppm ASTM D5185m >25 2 <1 0   Aluminum ppm ASTM D5185m >25 2 <1 0   Lead ppm ASTM D5185m >10 5 5 3   Vanadium ppm ASTM D5185m >10 5 5 3   Vanadium ppm ASTM D5185m 2 68 89 213   Barium ppm ASTM D5185m 0 1 1 2   Maganese ppm ASTM D5185m 0 1 1 2   Maganeses ppm ASTM D5185m <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>06 Nov 2023</th> <th>22 Aug 2023</th> <th>20 Apr 2023</th>	Sample Date		Client Info		06 Nov 2023	22 Aug 2023	20 Apr 2023
Oil Ghanged Client Info Not Changd ABNORMAL Not Changd ABNORMAL Not Changd ABNORMAL Nor Changd NORMAL Changed NORMAL   WEAR METALS method limit/base current history1 history2   Iron ppm ASTM D5185m >500 143 142 292   Chromium ppm ASTM D5185m >10 <1 <1 <1   Nickel ppm ASTM D5185m >10 <1 <1 <1   Numinum ppm ASTM D5185m >10 <1 <1 0   Auminum ppm ASTM D5185m >25 0 2 0   Copper ppm ASTM D5185m >10 ▲ 167 ▲ 151 89   Tin ppm ASTM D5185m >10 ▲ 167 <1 0   Vanadium ppm ASTM D5185m >10 5 5 3   Vanadium ppm ASTM D5185m >10 5 5 3   Vanadium ppm ASTM D5185m 2 68 89 213   Barium ppm ASTM D5185m 0 1 1 2   Magnese ppm ASTM D5185m 2 68 <td< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>29340</th><th>29115</th><th>28531</th></td<>	Machine Age	hrs	Client Info		29340	29115	28531
Sample Status     method     Imit/base     current     ABNORMAL     NORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >500     143     142     292       Chromium     ppm     ASTM D5185m     >10     <1     <1     21       Nickel     ppm     ASTM D5185m     >10     <1     <1     <1     <1       Silver     ppm     ASTM D5185m     >25     2     <1     0     0       Auminum     ppm     ASTM D5185m     >25     0     2     0     0       Copoper     ppm     ASTM D5185m     >10     5     5     3     Vanadium     p     ASTM D5185m     <1     <1     0     13     1 <t< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>28531</th><th>29115</th><th>27903</th></t<>	Oil Age	hrs	Client Info		28531	29115	27903
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5165m     >500     143     142     292       Chromium     ppm     ASTM D5165m     >10     <1     <1     21       Nickel     ppm     ASTM D5165m     >10     <1     <1     <1       Silver     ppm     ASTM D5165m     >10     <1     <1     <1       Aluminum     ppm     ASTM D5165m     >25     2     <1     0     0       Aluminum     ppm     ASTM D5165m     >25     0     2     0       Copper     ppm     ASTM D5165m     >10     5     5     3       Vanadium     ppm     ASTM D5165m     <1     <1     0     0       Astim D5165m      <1     <1     1     1     1       Vanadium     ppm     ASTM D5165m      <1     <1     1     1     1     1     1     1     1	Oil Changed		Client Info		Not Changd	Not Changd	Changed
Iron     ppm     ASTM D5185m     >500     143     142     292       Chromium     ppm     ASTM D5185m     >10     <1     <1     2       Nickel     ppm     ASTM D5185m     >10     <1     <1     <1       Titanium     ppm     ASTM D5185m     <1     0     0       Silver     ppm     ASTM D5185m     <2     <1     0     0       Auminum     ppm     ASTM D5185m     >25     0     2     0       Copper     ppm     ASTM D5185m     >25     0     2     0       Cadmium     ppm     ASTM D5185m     >10     5     5     3       Vanadium     ppm     ASTM D5185m     <1     <1     0     0       Admium     ppm     ASTM D5185m     2     68     89     213       Barium     ppm     ASTM D5185m     0     1     1     2       Maganese     ppm     ASTM D5185m     0     1     1     2	Sample Status				ABNORMAL	ABNORMAL	NORMAL
Dromium     ppm     ASTM D5185m     >10     <1	WEAR METAL	S	method	limit/base	current	history1	history2
NickelppmASTM D5185m>10<1	Iron	ppm	ASTM D5185m	>500	143	142	292
Titanium     ppm     ASTM D5185m     <1	Chromium	ppm	ASTM D5185m	>10	<1	<1	2
Silver   ppm   ASTM D5185m	Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Aluminum     ppm     ASTM D5185m     >25     2     <1	Titanium	ppm	ASTM D5185m		<1	<1	<1
Lead     ppm     ASTM D5185m     >25     0     2     0       Copper     ppm     ASTM D5185m     >100     ▲ 167     ▲ 151     89       Tin     ppm     ASTM D5185m     >10     5     5     3       Vanadium     ppm     ASTM D5185m     <1     <1     0     0       Cadmium     ppm     ASTM D5185m     <1     <1     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     2     68     89     213       Barium     ppm     ASTM D5185m     0     2     14     4       Manganesium     ppm     ASTM D5185m     0     1     1     2       Magnesium     ppm     ASTM D5185m     9     11     4     3       Calcium     ppm     ASTM D5185m     1099     998     928     1008       Zinc     ppm     ASTM D5185m     708     478	Silver	ppm	ASTM D5185m		<1	0	0
Copper     ppm     ASTM D5185m     >100     ▲ 167     ▲ 151     89       Tin     ppm     ASTM D5185m     >10     5     5     3       Vanadium     ppm     ASTM D5185m     <1     <1     0       Cadmium     ppm     ASTM D5185m     <1     <1     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     1     1     2     14       Magnese     ppm     ASTM D5185m     0     1     1     2     14       Magnese     ppm     ASTM D5185m     0     1     1     2     14       Magnese     ppm     ASTM D5185m     0     1     1     2     16       Calcium     ppm     ASTM D5185m     7086     4788     6645     21118       CONTAMINANTS     method     limit	Aluminum	ppm	ASTM D5185m	>25	2	<1	0
TinppmASTM D5185m>10553VanadiumppmASTM D5185m<1<10CadmiumppmASTM D5185m<1<10ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m26889213BariumppmASTM D5185m0000MolybdenumppmASTM D5185m02214ManganeseppmASTM D5185m0112MagnesiumppmASTM D5185m91143CalciumppmASTM D5185m1143393343018PhosphorusppmASTM D5185m12451127107619SulfurppmASTM D5185m75618189SodiumppmASTM D5185m>7518189SodiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONENONESilitscalar*VisualNONENONENONENONENONESilitscalar*VisualNONENONE <th>Lead</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;25</th> <th>0</th> <th>2</th> <th>0</th>	Lead	ppm	ASTM D5185m	>25	0	2	0
VanadiumppmASTM D5185m<1	Copper	ppm	ASTM D5185m	>100	🔺 167	<b>1</b> 51	89
CadmiumppmASTM D5185m<1	Tin	ppm	ASTM D5185m	>10	5	5	3
ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   2   68   89   213     Barium   ppm   ASTM D5185m   0   0   0   0     Molybdenum   ppm   ASTM D5185m   0   2   2   14     Manganese   ppm   ASTM D5185m   0   1   1   2     Magnesium   ppm   ASTM D5185m   9   11   4   3     Calcium   ppm   ASTM D5185m   1099   998   928   1008     Zinc   ppm   ASTM D5185m   1099   998   928   1008     Zinc   ppm   ASTM D5185m   1099   998   928   1008     Solfur   ppm   ASTM D5185m   7086   4788   66455   21118     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >20   3   2   1     VISUAL   method   limit/base   curren	Vanadium	ppm	ASTM D5185m		<1	<1	0
BoronppmASTM D5185m26889213BariumppmASTM D5185m0000MolybdenumppmASTM D5185m02214ManganeseppmASTM D5185m0112MagnesiumppmASTM D5185m91143CalciumppmASTM D5185m91143CalciumppmASTM D5185m31143393343018PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127107619SulfurppmASTM D5185m70864788664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESoldurscalar*VisualNONENONENONENONENONEYell	Cadmium	ppm	ASTM D5185m		<1	<1	0
BariumppmASTM D5185m0000MolybdenumppmASTM D5185m02214ManganeseppmASTM D5185m0112MagnesiumppmASTM D5185m91143CalciumppmASTM D5185m91143CalciumppmASTM D5185m31143393▲ 343018PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127▲ 107619SulfurppmASTM D5185m70864788▲ 664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>20321PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESoldurscalar*VisualNONENONENONENONEAstriatscalar*Vis	ADDITIVES		method	limit/base	current	history1	history2
MolybdenumppmASTM D5185m02214ManganeseppmASTM D5185m0112MagnesiumppmASTM D5185m91143CalciumppmASTM D5185m31143393A 343018PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127A 107619SulfurppmASTM D5185m70864788A 664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>20321PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLGodorscalar*VisualNORMLNORMLNORMLNORMLNORMLAppearancescalar*VisualNOR	Boron	ppm	ASTM D5185m	2	68	89	213
ManganeseppmASTM D5185m0112MagnesiumppmASTM D5185m91143CalciumppmASTM D5185m31143393▲ 343018PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127▲ 107619SulfurppmASTM D5185m70864788▲ 664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAstrustified Waterscalar*VisualNORMLNORMLNORMLNORMLNORMLCorrscalar*VisualNONENORMLNORMLNORMLNORMLNORMLAstrustified Waterscalar*Visual>.2NEGNEGNEG <t< th=""><th>Barium</th><th>ppm</th><th>ASTM D5185m</th><th>0</th><th>0</th><th>0</th><th>0</th></t<>	Barium	ppm	ASTM D5185m	0	0	0	0
MagnesiumppmASTM D5185m91143CalciumppmASTM D5185m31143393▲ 343018PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127▲ 107619SulfurppmASTM D5185m12451127▲ 107619SulfurppmASTM D5185m70864788▲ 664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189SodiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLConcerververververververververververververve	Molybdenum	ppm	ASTM D5185m	0	2	2	14
CalciumppmASTM D5185m31143393343018PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127107619SulfurppmASTM D5185m70864788664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLConcentrescalar*VisualNORMLNORMLNORMLNORMLNORMLConcentrescalar*VisualNORMLNORML<	Manganese	ppm	ASTM D5185m	0	1	1	2
PhosphorusppmASTM D5185m10999989281008ZincppmASTM D5185m12451127▲107619SulfurppmASTM D5185m70864788▲664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189SodiumppmASTM D5185m>20321PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNORML	Magnesium	ppm	ASTM D5185m	9	11	4	3
ZincppmASTM D5185m12451127▲ 107619SulfurppmASTM D5185m70864788▲ 664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESoldurscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESoldurscalar*VisualNONENONENONENONEQueriesscalar*VisualNONENONENONENONESoldurscalar*VisualNORMLNORMLNORMLNORMLQueriesscalar*VisualNORMLNORMLNORMLNORMLQueriesscalar*VisualNORMLNORMLNORMLNORMLQueriesscalar*VisualNORMLNORMLNO	Calcium	ppm	ASTM D5185m	3114	3393	<b>A</b> 3430	18
SulfurppmASTM D5185m70864788▲ 664521118CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7518189SodiumppmASTM D5185m>7518189PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLMusified Waterscalar*Visual>.2NEGNEGNEG	Phosphorus	ppm	ASTM D5185m	1099	998	928	1008
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>7518189SodiumppmASTM D5185m0<1<1PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Zinc	ppm	ASTM D5185m	1245	1127	<u> </u>	19
SiliconppmASTM D5185m<>7518189SodiumppmASTM D5185m0<1<1PotassiumppmASTM D5185m<>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONEMODERPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Sulfur	ppm	ASTM D5185m	7086	4788	6645	21118
SodiumppmASTM D5185m0<1	CONTAMINAN	TS	method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20321VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONEMODERPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Silicon	ppm	ASTM D5185m	>75	18	18	9
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEMODERPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Sodium	ppm	ASTM D5185m		0	<1	<1
White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEMODERPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTMODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Potassium	ppm	ASTM D5185m	>20	3	2	1
Yellow Metalscalar*VisualNONENONENONEMODERPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTMODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTMODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHT▲ MODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Debrisscalar*VisualNONELIGHTMODERNONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualMEGNEGNEGNEG	Debris	scalar	*Visual	NONE	LIGHT	A MODER	NONE
Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualMEGNEGNEGNEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
FLUID PROPERTIES method limit/base current history1 history2	Free Water	scalar	*Visual		NEG	NEG	NEG
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Report Id: KEMSHA [WUSCAR] 06007921 (Generated: 11/16/2023 18:02:36) Rev: 1

Visc @ 40°C

cSt

ASTM D445 213.9

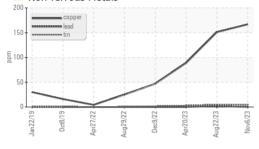
188

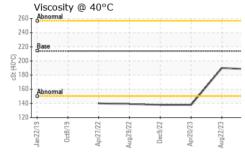
190

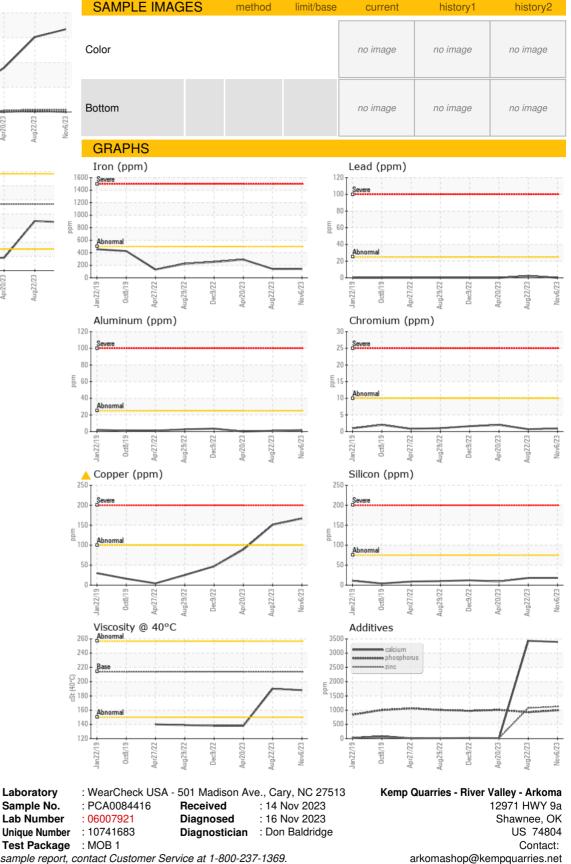


# **OIL ANALYSIS REPORT**









To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

Certificate L2367

Т:

F:

<sup>\* -</sup> Denotes test methods that are outside of the ISO 17025 scope of accreditation.